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Research Article

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CORRELATION ANALYSIS BETWEEN JOURNAL METRICS AND SUBSCRIPTION PRICE FOR SELECTED JOURNALS

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**Abstract** 

The given article gives an account on the correlation analysis between the journal metrics (SNIP, SJR, IF) and the subscription price for two groups of journals (114 Economics journals and 150 Mathematics and Computer Science

journals) which were presented on Elsevier website in October 2016.

It was obtained that the correlation coefficients of the given journal metrics for the second group of journals were considerably lower in comparison with the first group of journals. It is due to the fact that the sales of Mathematics and Computer Science journals are less commercialized as compared to the sales of Economics journals. It was concluded that the lack of strong correlation between journal metrics and subscription price at the market of scientific periodicals is generally due to the fact that this kind of market is not elastic and over monopolized.

**Key words:** correlation analysis, journal metrics, SNIP, SJR, IF, subscription price, Economics Journal, Mathematics and Computer Science journals.

Introduction.

As E. Garfield (1972) puts it the primary goal of impact factor analysis was to improve the management of library journal collection. This is especially true to making budget decision making for the purchase of the most cost effective journals. An example of such a study is the work of Hue-Kyung Chung (2007). This study presents a method for journal collection evaluation using citation analysis, in which cost-per-use (CPU) for each title is used to measure cost effectiveness with higher CPU scores indicating cost effective titles. In this research the data are based on the impact factor and locally collected citation score of each title and is compared to the cost of managing and subscribing to journals.

Given methodology was developed by the same author in the research work (Chung, 2009). In it the analysis model for setting up a core journal collection for academic libraries is presented. The model uses multiple factors based on

the concept that convergence of data from all available sources should be used in core journal selection due to the inherent limitations of each source. The factors considered in the study are locally collected citations, local use, impact factor and subscription price.

There is a range of studies which study the correlation between citation-based and expert-based assessments of journals. S.Saha, S.Saint, and D.A. Christakis (2003) assessed the validity of impact factor as a measure of quality for nine general medical journals by testing its association with journal quality as rated by clinical practitioners (n=113) and researchers (n=151). The correlation between impact factor and physicians' ratings of journal quality was strong (R<sup>2</sup> =0, 82). The authors emphasize that apart of the impact factor subscription rates and readership rates are other potential proxies for journal quality, but these markers are limited by the fact that, for many journals, subscription is not related to physicians' desire to read the journals but rather to society membership, as well as to journal cost and availability.

In the other research work (Ahlgren, Waltman,2014) the Source Normalized Impact per Paper (SNIP), the Scimago Journal Rank 2 (SJR2) and the Raw Impact for Paper (RIP) indicators are used to assess sources based on their citations, while the Norwegian model is used to obtain expert-based source assessments.

It was found out that the sources at higher quality levels on average have substantially higher RIP, SNIP, and SJR2 values.

Thus, now there is the dominant view that the impact factor of the journal defines its quality though there are many studies that cast doubt on this claim (Seglen, 1997; Kurmis, 2003; Dong Loh, Mondry, 2005). So Per O Seglen (1997) writes that the journal impact factor would still be far from being a quality indicator: citation impact is primary a measure of scientific utility rather than of scientific quality and that for evaluation of scientific quality there seems to be no alternative to qualified experts reading the publications. In the other study (Kurmis, 2003) it is denoted that the extension of the impact factor to the assessment of journal quality or individual authors is inappropriate. In the study (Dong, Loh, Mondry, 2005) it is plainly stated: "It is generally understood that the higher the IF, the "better" the journal. As a result, journals with high If are often preferentially acquired in institutions where subscription funds are limited; researchers are keen to submit their work to journals with high IF to further their career; the editors of journals with high IF are swamped with manuscripts by researchers who want to publish only with the best, some funding agencies expect their scientists to publish in journals above a certain IF; and recruitment

officers tend to look for candidates with publications in high-IF journals."

Vladimir M. Moskovkin\*et al. /International Journal of Pharmacy & Technology Nevertheless if we have an opinion that journal impact factor determines the quality of journals, then according to competitive market economic theory we can say that the bigger impact factor of the journal the higher is its subscription price. But it is evident that this statement was not respected up to the start of the 21<sup>st</sup> century because of there were a great deal of non profit publishers. Indeed in the study (Hartemink, 1999) it was mentioned that some recent correspondence to Nature suggested that journal prices and impact factors are inversely related (Abbort, 1999; Butler, 1999). It was found that the most expensive chemical/ medical journals had lowest impact factors. The analysis of 17 soil science journals conducted for connection against impact factor and prices for 1997 lead to the same functional reliance (Hartemink, 1999). It was due to the fact that 6 out of 17 soil science journals were published by non profit publishers and that is why they have low subscription price at relatively high impact factor

In addition to the above mentioned studies we denote the work (Bergstrom, Bergstrom, 2006), in which we can see the distribution of top ten journals in ecology, ranked by 2004 IF in dependence of the subscription price/page index. In the 21<sup>st</sup> century the majority of non profit publishers pass in to the hands of commercial publishers and the situation on the market of scientific periodicals started to change greatly. Unfortunately we haven't found the studies in which the correlation between journal impact factors and subscription price was studied using large samples. In this study we tried to fill a want in it.

## Methodology

value.

October 19, 2016 we chose four subject areas of journals on the Elsevier website, such as: 1. All journals within Economics and Finance; 2. All journals within Business, Management and Accounting; 3. All journals within Mathematics; 4. All journals within Computer Science. We chose journals in each subject area of journals which had all data on SNIP, SJR and IF simultaneously, i.e. those journals which were included in the database of Scopus and Web of Science at the same time. Eventually in every subject areas, there were 77; 51; 90 and 102 journals, consequently. After that, we have combined two first and two second subject areas due to their similarity in content, and we've got\_two aggregated subject areas (Table 1). Under such aggregation,\_we have included the «Journal of Manufacturing Systems» additionally from the fourth subject area (All journals within Computer Science) to the first aggregated\_subject area; the journal «Computers & Industrial Engineering» from the first subject area to the second aggregated subject area, and the «Journal of Economic Dynamics and Control» and the «Review of Economic dynamics» from the first subject area to the second aggregated\_subject area.

As a result, we got 114 journals in the first aggregated subject area and 150 journals in the second aggregated subject area.

After that, we have done a correlation analysis between indicators of SNIP, SJR and IF, using the standard features of Excel, and also, we have calculated\_the mean values of these indicators by aggregated subject areas to compare them with literature data.

Data of the journal subscription price was taken from Journal's websites on May 19, 2015 and October 19, 2016 that allowed to calculate the price growth of the journal subscription of their two aggregated subject areas over a longer than year's period of time.

## **Results and Discussion**

Table 1 and Table 2 show the data of journal metrics for the first and the second aggregated subject areas of journals, and Table 3 and Table 4 show subscription prices for these journals.

**Table 1:** Data of journal metrics for the aggregated subject area « Journals within Economics, Finance Business, Management and Accounting». October 19, 2016

| Journals within | SNIP  | SJR   | IF    | Journals within    | SNIP  | SJR   | IF    |
|-----------------|-------|-------|-------|--------------------|-------|-------|-------|
| Economics,      |       |       |       | Economics,         |       |       |       |
| Finance         |       |       |       | Finance            |       |       |       |
| Business,       |       |       |       | Business,          |       |       |       |
| Management      |       |       |       | Management         |       |       |       |
| and Accounting  |       |       |       | and Accounting     |       |       |       |
| Accounting,     | 2.813 | 2.515 | 2.464 | International      | 2.495 | 1.173 | 2.692 |
| Organizations & |       |       |       | Journal of         |       |       |       |
| Society         |       |       |       | Information        |       |       |       |
|                 |       |       |       | Management         |       |       |       |
| Applied         | 1.882 | 1.212 | 1.713 | International      | 0.980 | 1.085 | 0.866 |
| Ergonomics      |       |       |       | Journal of         |       |       |       |
|                 |       |       |       | Industrial         |       |       |       |
|                 |       |       |       | Organization       |       |       |       |
| Business        | 1.671 | 0.726 | 1.008 | International      | 2.569 | 1.497 | 2.885 |
| Horizons        |       |       |       | Journal of Project |       |       |       |
|                 |       |       |       | Management         |       |       |       |
| China Economic  | 1.186 | 0.997 | 1.116 | International      | 1.573 | 3.004 | 1.833 |
| Review          |       |       |       | Journal of         |       |       |       |
|                 |       |       |       | Research in        |       |       |       |

|                  | 7 10  | 141.  | MOSKOVI | Marketing         |       |       |       |
|------------------|-------|-------|---------|-------------------|-------|-------|-------|
| Communist and    | 1.232 | 0.666 | 0.308   | International     | 1.362 | 0.890 | 1.846 |
| Post-Communist   |       |       |         | Review of         |       |       |       |
| Studies          |       |       |         | Economics &       |       |       |       |
|                  |       |       |         | Finance           |       |       |       |
| Computers &      | 1.846 | 1.630 | 2.086   | International     | 0.978 | 0.369 | 0.543 |
| Industrial       |       |       |         | Review of Law     |       |       |       |
| Engineering      |       |       |         | and Economics     |       |       |       |
| Computers in     | 1.978 | 0.930 | 1.685   | Japan and the     | 1.066 | 0.477 | 0.603 |
| Industry         |       |       |         | World Economy     |       |       |       |
| Decision Support | 2.271 | 2.262 | 2.604   | Journal of        | 3.507 | 6.834 | 3.535 |
| Systems          |       |       |         | Accounting and    |       |       |       |
|                  |       |       |         | Economics         |       |       |       |
| Ecological       | 1.512 | 1.733 | 3.227   | Journal of        | 1.478 | 1.030 | 1.317 |
| Economics        |       |       |         | Accounting and    |       |       |       |
|                  |       |       |         | Public Policy     |       |       |       |
| Economic         | 1.024 | 0.815 | 0.997   | Journal of Air    | 1.103 | 0.845 | 1.084 |
| Modelling        |       |       |         | Transport         |       |       |       |
|                  |       |       |         | Management        |       |       |       |
| Economic         | 0.933 | 0.420 | 0.701   | Journal of        | 1.588 | 1.264 | 1.485 |
| Systems          |       |       |         | Banking and       |       |       |       |
|                  |       |       |         | Finance (JBF)     |       |       |       |
| Economics and    | 0.942 | 1.272 | 1.639   | Journal of        | 1.889 | 1.682 | 2.129 |
| Human Biology    |       |       |         | Business          |       |       |       |
|                  |       |       |         | Research          |       |       |       |
| Emerging         | 1.641 | 0.879 | 1.549   | Journal of        | 3.270 | 4.923 | 4.204 |
| Markets Review   |       |       |         | Business          |       |       |       |
|                  |       |       |         | Venturing         |       |       |       |
| Energy           | 1.898 | 2.350 | 4.292   | Journal of Choice | 0.648 | 0.549 | 1.056 |
|                  |       |       |         | Modelling         |       |       |       |
| Energy           | 1.851 | 3.025 | 2.862   | Journal of        | 1.382 | 1.066 | 1.380 |
| Economics        |       |       |         | Comparative       |       |       |       |
|                  |       |       |         | Economics         |       |       |       |
| Energy Policy    | 1.653 | 2.436 | 3.045   | Journal of        | 1.669 | 2.973 | 2.009 |
|                  |       |       |         | Consumer          |       |       |       |
|                  |       |       |         | Psychology        |       |       |       |
| European         | 1.405 | 1.712 | 1.095   | Journal of        | 1.356 | 1.446 | 1.286 |

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|-------------------|-------|------------------|----------|------------------------|------------|------------|-----------|
| Economic          |       |                  |          | Corporate Finance      |            |            |           |
| Review            |       |                  |          |                        |            |            |           |
| European          | 1.382 | 0.816            | 1.437    | Journal of             | 1.519      | 1.003      | 1.034     |
| Management        |       |                  |          | Destination            |            |            |           |
| Journal           |       |                  |          | Marketing &            |            |            |           |
|                   |       |                  |          | Management             |            |            |           |
| Evaluation and    | 0.914 | 0.470            | 1.000    | Journal of             | 2.508      | 2.840      | 1.837     |
| Program           |       |                  |          | Development            |            |            |           |
| Planning          |       |                  |          | Economics              |            |            |           |
| Evolution and     | 1.395 | 1.942            | 3.223    | Journal of             | 2.002      | 3.781      | 1.611     |
| Human Behavior    |       |                  |          | Econometrics           |            |            |           |
| Explorations in   | 1.540 | 1.306            | 1.000    | Journal of             | 1.362      | 1.425      | 1.374     |
| Economic          |       |                  |          | Economic               |            |            |           |
| History           |       |                  |          | Behavior and           |            |            |           |
|                   |       |                  |          | Organization           |            |            |           |
| Finance Research  | 0.663 | 0.405            | 0.480    | Journal of             | 1.029      | 0.937      | 0.879     |
| Letters           |       |                  |          | Economic               |            |            |           |
|                   |       |                  |          | Dynamics and           |            |            |           |
|                   |       |                  |          | Control                |            |            |           |
| Forest Policy and | 1.207 | 1.195            | 1.552    | Journal of             | 1.496      | 1.085      | 1.677     |
| Economics         |       |                  |          | Economic               |            |            |           |
|                   |       |                  |          | Psychology             |            |            |           |
| Futures           | 1.164 | 0.638            | 1.242    | Journal of             | 1.489      | 2.587      | 1.097     |
|                   |       |                  |          | Economic Theory        |            |            |           |
| Games and         | 1.154 | 1.596            | 0.882    | Journal of             | 1.041      | 0.879      | 0.907     |
| Economic          |       |                  |          | Empirical Finance      |            |            |           |
| Behavior          |       |                  |          |                        |            |            |           |
| Human Resource    | 2.451 | 1.224            | 2.236    | Journal of             | 1.706      | 1.079      | 1.474     |
| Management        |       |                  |          | Engineering and        |            |            |           |
| Review            |       |                  |          | Technology             |            |            |           |
|                   |       |                  |          | Management             |            |            |           |
| Industrial        | 1.385 | 1.413            | 1.930    | Journal of             | 1.795      | 2.915      | 2.197     |
| Marketing         |       |                  |          | Environmental          |            |            |           |
| Management        |       |                  |          | Economics and          |            |            |           |
|                   |       |                  |          | Management             |            |            |           |
| Information and   | 1.919 | 1.381            | 2.163    | Journal of Family      | 0.743      | 0.980      | 1.088     |
| Management        |       |                  |          | Business Strategy      |            |            |           |
|                   |       |                  | <u> </u> |                        |            |            |           |

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|------------------|-------|------------------|----------|-------------------------|------------|------------|-----------|
| Information and  | 1.640 | 1.306            | 1.419    | Journal of              | 4.028      | 9.920      | 3.541     |
| Organization     |       |                  |          | Financial               |            |            |           |
|                  |       |                  |          | Economics               |            |            |           |
| Information      | 1.513 | 0.947            | 0.826    | Journal of              | 1.734      | 1.861      | 2.145     |
| Economics and    |       |                  |          | Financial               |            |            |           |
| Policy           |       |                  |          | Intermediation          |            |            |           |
| International    | 1.441 | 1.100            | 1.669    | Journal of              | 1.644      | 3.233      | 1.726     |
| Business Review  |       |                  |          | Financial Markets       |            |            |           |
| International    | 1.669 | 0.657            | 1.128    | Journal of              | 1.791      | 1.264      | 1.689     |
| Journal of       |       |                  |          | Financial Stability     |            |            |           |
| Accounting       |       |                  |          |                         |            |            |           |
| Information      |       |                  |          |                         |            |            |           |
| Systems          |       |                  |          |                         |            |            |           |
| International    | 1.777 | 1.198            | 1.626    | Journal of Forest       | 0.992      | 0.746      | 1.185     |
| Journal of       |       |                  |          | Economics               |            |            |           |
| Forecasting      |       |                  |          |                         |            |            |           |
| International    | 1.779 | 1.887            | 2.061    | Journal of Health       | 2.258      | 2.292      | 2.339     |
| Journal of       |       |                  |          | Economics               |            |            |           |
| Hospitality      |       |                  |          |                         |            |            |           |
| Management       |       |                  |          |                         |            |            |           |
| Journal of       | 0.668 | 0.353            | 0.375    | Long Range              | 2.481      | 1.958      | 2.936     |
| Hospitality,     |       |                  |          | Planning                |            |            |           |
| Leisure, Sport & |       |                  |          |                         |            |            |           |
| Tourism          |       |                  |          |                         |            |            |           |
| Education -      |       |                  |          |                         |            |            |           |
| JoHLSTE          |       |                  |          |                         |            |            |           |
| Journal of       | 1.101 | 0.883            | 1.035    | Management              | 2.715      | 1.913      | 2.286     |
| Housing          |       |                  |          | Accounting              |            |            |           |
| Economics        |       |                  |          | Research                |            |            |           |
| Journal of       | 2.635 | 3.723            | 2.017    | Omega                   | 2.846      | 3.771      | 3.962     |
| International    |       |                  |          |                         |            |            |           |
| Economics        |       |                  |          |                         |            |            |           |
| Journal of       | 1.266 | 0.872            | 1.051    | Organizational          | 0.456      | 0.670      | 0.522     |
| International    |       |                  |          | Dynamics                |            |            |           |
| Financial        |       |                  |          |                         |            |            |           |
| Markets,         |       |                  |          |                         |            |            |           |
| Institutions &   |       |                  |          |                         |            |            |           |
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| Money             | , , , | 1.1.  | THO SHOTE | an *ei ai./Internation |       |       |       |
|-------------------|-------|-------|-----------|------------------------|-------|-------|-------|
| Journal of        | 1.427 | 1.829 | 1.982     | Pacific-Basin          | 0.962 | 0.541 | 0.938 |
| International     |       |       |           | Finance Journal        |       |       |       |
| Management        |       |       |           |                        |       |       |       |
| Journal of        | 1.624 | 1.316 | 1.524     | Regional Science       | 1.335 | 1.328 | 1.024 |
| International     |       |       |           | and Urban              |       |       |       |
| Money and         |       |       |           | Economics              |       |       |       |
| Finance           |       |       |           |                        |       |       |       |
| Journal of        | 2.755 | 3.077 | 3.256     | Research in            | 1.459 | 1.806 | 1.889 |
| Interactive       |       |       |           | Organizational         |       |       |       |
| Marketing         |       |       |           | Behavior               |       |       |       |
| Journal of        | 0.936 | 0.618 | 0.714     | Research in            | 1.193 | 1.126 | 1.379 |
| Macroeconomics    |       |       |           | Social                 |       |       |       |
|                   |       |       |           | Stratification and     |       |       |       |
|                   |       |       |           | Mobility               |       |       |       |
| Journal of        | 2.248 | 1.190 | 2.240     | Research Policy        | 3.126 | 3.536 | 3.470 |
| Manufacturing     |       |       |           |                        |       |       |       |
| Systems           |       |       |           |                        |       |       |       |
| Journal of        | 0.605 | 0.579 | 0.434     | Resource and           | 1.145 | 1.159 | 1.250 |
| Mathematical      |       |       |           | Energy                 |       |       |       |
| Economics         |       |       |           | Economics              |       |       |       |
| Journal of        | 2.216 | 4.150 | 2.488     | Resources Policy       | 1.560 | 1.083 | 2.489 |
| Monetary          |       |       |           |                        |       |       |       |
| Economics         |       |       |           |                        |       |       |       |
| Journal of        | 1.060 | 1.060 | 2.253     | Review of              | 1.574 | 2.554 | 1.256 |
| Nutrition         |       |       |           | Economic               |       |       |       |
| Education and     |       |       |           | Dynamics               |       |       |       |
| Behavior (JNEB)   |       |       |           |                        |       |       |       |
| Journal of        | 3.290 | 5.052 | 4.000     | Scandinavian           | 1.001 | 0.504 | 1.076 |
| Operations        |       |       |           | Journal of             |       |       |       |
| Management        |       |       |           | Management             |       |       |       |
| Journal of Policy | 1.068 | 0.935 | 0.986     | Sport                  | 1.561 | 0.805 | 1.193 |
| Modeling          |       |       |           | Management             |       |       |       |
|                   |       |       |           | Review                 |       |       |       |
| Journal of Public | 1.707 | 2.267 | 1.440     | Technological          | 1.752 | 1.348 | 2.678 |
| Economics         |       |       |           | Forecasting and        |       |       |       |
|                   |       |       |           | Social Change          |       |       |       |

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| Journal of        | 1.661 | 2.359    | 2.562    | Technovation            | 2.169      | 1.794      | 2.243     |
| Purchasing &      |       |          |          |                         |            |            |           |
| Supply            |       |          |          |                         |            |            |           |
| Management        |       |          |          |                         |            |            |           |
| Journal of        | 2.180 | 2.056    | 2.014    | Telecommunicati         | 1.004      | 0.658      | 0.982     |
| Retailing         |       |          |          | ons Policy              |            |            |           |
| Journal of Stored | 1.069 | 0.786    | 1.533    | The Journal of          | 1.693      | 1.605      | 2.595     |
| Products          |       |          |          | Strategic               |            |            |           |
| Research          |       |          |          | Information             |            |            |           |
|                   |       |          |          | Systems                 |            |            |           |
| Journal of the    | 0.809 | 0.409    | 0.508    | The Leadership          | 2.122      | 2.770      | 2.938     |
| Japanese and      |       |          |          | Quarterly               |            |            |           |
| International     |       |          |          |                         |            |            |           |
| Economies         |       |          |          |                         |            |            |           |
| Journal of Urban  | 2.225 | 2.434    | 2.121    | The North-              | 0.785      | 0.578      | 1.360     |
| Economics         |       |          |          | American Journal        |            |            |           |
|                   |       |          |          | of Economics and        |            |            |           |
|                   |       |          |          | Finance                 |            |            |           |
| Journal of        | 1.935 | 1.741    | 2.764    | Tourism                 | 2.876      | 2.450      | 3.140     |
| Vocational        |       |          |          | Management              |            |            |           |
| Behavior          |       |          |          |                         |            |            |           |
| Journal of World  | 1.899 | 1.656    | 2.811    | Utilities Policy        | 0.972      | 0.547      | 1.110     |
| Business          |       |          |          |                         |            |            |           |
| Labour            | 1.229 | 1.127    | 0.899    | World                   | 2.157      | 2.100      | 2.438     |
| Economics         |       |          |          | Development             |            |            |           |

**Table 2:** Data of journal metrics for the aggregated subject area «Journals within Mathematics and Computer Science». October 19, 2016

| Journals          | SNIP  | SJR   | IF    | Journals       | SNIP  | SJR   | IF    |
|-------------------|-------|-------|-------|----------------|-------|-------|-------|
| within Mathematic |       |       |       | within Mathema |       |       |       |
| s and Computer    |       |       |       | tics and       |       |       |       |
| Science           |       |       |       | Computer       |       |       |       |
|                   |       |       |       | Science        |       |       |       |
| Acta Mathematica  | 0.727 | 0.615 | 0.557 | Computers &    | 1.846 | 1.630 | 2.086 |
| Scientia          |       |       |       | Industrial     |       |       |       |
|                   |       |       |       | Engineering    |       |       |       |

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|---------------------|-------|----------|---------|------------------------------|-------------------|-----------|-----------|
| Ad Hoc Networks     | 2.144 | 0.967    | 1.660   | Computers & Fluids           | 1.585             | 1.171     | 1.891     |
| Advances in         | 1.249 | 1.054    | 0.833   | Computers &                  | 1.299             | 0.514     | 1.120     |
|                     | 1.219 | 1.05     | 0.033   | _                            | 1.2))             | 0.311     | 1.120     |
| Applied             |       |          |         | Graphics                     |                   |           |           |
| Mathematics         |       |          |         |                              |                   |           |           |
| Advances in         | 1.874 | 0.812    | 1.673   | Computers &                  | 1.357             | 1.092     | 1.398     |
| Engineering         |       |          |         | Mathematics with             |                   |           |           |
| Software            |       |          |         | Applications                 |                   |           |           |
| Advances in         | 1.995 | 3.261    | 1.405   | Computers &                  | 2.563             | 1.020     | 1.640     |
| Mathematics         |       |          |         | Security                     |                   |           |           |
| Annals of Pure and  | 1.335 | 1.190    | 0.582   | Computers &                  | 2.136             | 1.710     | 2.425     |
| Applied Logic       |       |          |         | Structures                   |                   |           |           |
|                     |       |          |         |                              |                   |           |           |
| Annual Reviews in   | 4.985 | 2.443    | 2.042   | Computers and                | 1.786             | 0.823     | 1.892     |
| Control             | , 60  | 2000     |         | Electronics in               | 11,700            | 0.020     | 11072     |
| Control             |       |          |         |                              |                   |           |           |
|                     |       | 1.500    | 2 00 1  | Agriculture                  | 1.00              | 0.500     |           |
| Applied and         | 1.776 | 1.589    | 2.094   | Computers in                 | 1.207             | 0.589     | 1.521     |
| Computational       |       |          |         | Biology and                  |                   |           |           |
| Harmonic Analysis   |       |          |         | Medicine                     |                   |           |           |
|                     |       |          |         |                              |                   |           |           |
| Applied             | 1.612 | 1.318    | 2.291   | Computers in                 | 1.978             | 0.930     | 1.685     |
| Mathematical        |       |          |         | Industry                     |                   |           |           |
| Modelling           |       |          |         |                              |                   |           |           |
| Applied             | 1.203 | 1.008    | 1.345   | Control                      | 2.048             | 1.354     | 1.830     |
| Mathematics and     |       |          |         | Engineering                  |                   |           |           |
| Computation         |       |          |         | Practice                     |                   |           |           |
| Computation         |       |          |         | Tractice                     |                   |           |           |
| Applied             | 1.235 | 1.141    | 1.659   | Cortex                       | 1.417             | 2.469     | 4.314     |
|                     | 1.233 | 1.141    | 1.039   | Contex                       | 1.41/             | 2.409     | 4.314     |
| Mathematics Letters | 1255  | 1.25     | 4 4 7 4 | <b>F</b>                     | 2.112             | 1.252     | 1.700     |
| Applied Numerical   | 1.266 | 1.254    | 1.414   | Data &                       | 2.412             | 1.258     | 1.500     |
| Mathematics         |       |          |         | Knowledge                    |                   |           |           |
|                     |       |          |         | Engineering                  |                   |           |           |
| Applied Soft        | 2.143 | 1.763    | 2.857   | Decision Support             | 2.271             | 2.262     | 2.604     |
| Computing           |       |          |         | Systems                      |                   |           |           |
|                     |       |          |         |                              |                   |           |           |
| Artificial          | 4.084 | 2.426    | 3.333   |                              | 3.091             | 1.056     | 2.070     |
| Intelligence        |       |          |         | Design Studies               |                   |           |           |
| . 6                 |       |          |         | 6                            |                   |           |           |

| Intelligence in Medicine   | Artificial         | 1.721 | 0.884 | 2.142 | Differential     | 0.929   | 0.641 | 0.594 |
|--|--------------------|-------|-------|-------|------------------|---------|-------|-------|
| Medicine         Applications         Applications         Image: Computational Statistics & Data Analysis         Applications         Image: Computer Computer Communications         Applications         Image: Computer Computer Communications         Applications         Image: Computer Computer Communications         Applications         Image: Computer Languages, Systems         Application Applications         Digital Investigation Investigation Investigation         I.331  |                    | 1./21 | 0.884 | 2.142 |                  | 0.929   | 0.041 | 0.334 |
| Automatica         2.991         4.315         3.635         Digital Investigation         1.766         0.674         1.211           Bulletin des Sciences Mathématiques         1.246         1.942         0.664         Digital Signal Processing         1.331         0.688         1.444           Chaos, Solitons & Fractals         1.090         0.679         1.611         Discrete Applied Mathematics         1.185         0.880         0.722           Cognition         1.676         2.770         3.411         Discrete Applied Mathematics         1.000         0.600           Cognitive Systems Research         1.850         0.307         1.204         Discrete Optimization         1.248         0.924         0.889           Communications in Nonlinear Science and Numerical Simulation         1.776         1.575         2.834         Displays         1.419         0.481         1.903           Comptes Rendus Mathematique         0.775         1.154         0.446         Ecological Comptes Rendus Applications         0.930         1.797           Computational Geometry         1.244         1.283         1.179         Engineering Applications         1.320         1.251         1.862           Computer Aided Geometric Design         1.554         1.024         1.092 <td< td=""><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td></td<>   |                    |       |       |       | -                |         |       |       |
| Bulletin des   Sciences   Mathématiques   Computational   1.776   1.575   2.834   Displays   Disp   |                    |       |       |       |                  |         |       |       |
| Bulletin des Sciences Mathématiques         1.246         1.942         0.664         Digital Signal Processing         1.331         0.688         1.444           Chaos, Solitons & Fractals         1.090         0.679         1.611         Discrete Applied Mathematics         0.880         0.722           Cognition         1.676         2.770         3.411         Discrete Mathematics         1.040         1.000         0.600           Cognitive Systems Research         1.850         0.307         1.204         Discrete Optimization         1.248         0.924         0.889           Communications in Nonlinear Science and Numerical Simulation         1.776         1.575         2.834         Displays         1.419         0.481         1.903           Comptas Rendus Mathematique         0.775         1.154         0.446         Ecological Complexity         1.026         0.930         1.797           Computational Geometry         1.349         0.766         0.589         Electronic Computer and Applications         2.053         1.582         2.139           Computer Aided Geometric Design         1.244         1.283         1.179         Engineering Applications of Artificial Intelligence         2.148         1.371         2.368           Computer Communications         2.002  | Automatica         | 2.991 | 4.315 | 3.635 | _                | 1.766   | 0.674 | 1.211 |
| Sciences Mathématiques         Lo90         0.679         1.611         Discrete Applied Mathematics         1.185         0.880         0.722           Chaos, Solitons & Fractals         1.676         2.770         3.411         Discrete Applied Mathematics         1.040         1.000         0.600           Cognition         1.676         2.770         3.411         Discrete Mathematics         1.040         1.000         0.600           Cognitive Systems Research         1.850         0.307         1.204         Discrete Optimization         1.248         0.924         0.889           Communications in Nonlinear Science and Numerical Simulation         1.575         2.834         Displays         1.419         0.481         1.903           Comptes Rendus Mathematique         0.775         1.154         0.446         Ecological Complexity         1.026         0.930         1.797           Computational Geometry         1.349         0.766         0.589         Electronic Complexity         2.053         1.582         2.139           Computational Analysis         1.244         1.283         1.179         Engineering Analysis with Boundary Elements         1.320         1.251         1.862           Computer Aided Geometric Design         1.554         1.024         1.09  |                    |       |       |       | Investigation    |         |       |       |
| Mathématiques         Image: color of the properties of Computer Aided Geometric Design         Image: color of the properties of Computer Languages, Systems         Image: color of the properties   | Bulletin des       | 1.246 | 1.942 | 0.664 | Digital Signal   | 1.331   | 0.688 | 1.444 |
| Chaos, Solitons & Fractals         1.090         0.679         1.611         Discrete Applied Mathematics         1.185         0.880         0.722           Cognition         1.676         2.770         3.411         Discrete Mathematics         1.040         1.000         0.600           Cognitive Systems Research         1.850         0.307         1.204         Discrete Optimization         1.248         0.924         0.889           Communications in Nonlinear Science and Numerical Simulation         1.776         1.575         2.834         Displays         1.419         0.481         1.903           Comptes Rendus Mathematique         0.775         1.154         0.446         Ecological Complexity         1.026         0.930         1.797           Computational Geometry         1.349         0.766         0.589         Electronic Commerce Research and Applications         2.053         1.582         2.139           Computational Statistics & Data Analysis         1.244         1.283         1.179         Engineering Applications of Artificial Intelligence         2.148         1.371         2.368           Computer Aided Geometric Design         2.002         0.889         2.099         European Journal Journal Journal of Combinatorics         1.089         1.233         0.650  | Sciences           |       |       |       | Processing       |         |       |       |
| Fractals   | Mathématiques      |       |       |       |                  |         |       |       |
| Cognition         1.676         2.770         3.411         Discrete Mathematics         1.040         1.000         0.600           Cognitive Systems Research         1.850         0.307         1.204         Discrete Optimization         1.248         0.924         0.889           Communications in Nonlinear Science and Numerical Simulation         1.776         1.575         2.834         Displays         1.419         0.481         1.903           Comptes Rendus Mathematique         0.775         1.154         0.446         Ecological Complexity         1.026         0.930         1.797           Computational Geometry         1.349         0.766         0.589         Electronic Complexity         2.053         1.582         2.139           Computational Statistics & Data Analysis         1.244         1.283         1.179         Engineering Analysis with Boundary Elements         1.320         1.251         1.862           Computer Aided Geometric Design         1.554         1.024         1.092         Engineering Applications of Artificial Intelligence         2.148         1.371         2.368           Computer Communications         2.002         0.889         2.099         European Journal of Operational         1.089         1.233         0.650  | Chaos, Solitons &  | 1.090 | 0.679 | 1.611 | Discrete Applied | 1.185   | 0.880 | 0.722 |
| Cognitive Systems   1.850   0.307   1.204   Discrete   1.248   0.924   0.889   | Fractals           |       |       |       | Mathematics      |         |       |       |
| Cognitive Systems         1.850         0.307         1.204         Discrete Optimization         1.248         0.924         0.889           Research         1.776         1.575         2.834         Displays         1.419         0.481         1.903           Nonlinear Science and Numerical Simulation         0.775         1.154         0.446         Ecological Complexity         1.026         0.930         1.797           Comptes Rendus Mathematique         0.775         1.154         0.446         Ecological Complexity         1.026         0.930         1.797           Computational Geometry         1.349         0.766         0.589         Electronic Commerce Research and Applications         1.552         2.139           Computational Statistics & Data Analysis         1.244         1.283         1.179         Engineering Analysis with Boundary Elements         1.320         1.251         1.862           Computer Aided Geometric Design         1.554         1.024         1.092         Engineering Applications of Artificial Intelligence         2.148         1.371         2.368           Computer Communications         2.002         0.889         2.099         European Journal of Combinatorics         1.089         1.233         0.650           Computer Languages, Systems         0.94  | Cognition          | 1.676 | 2.770 | 3.411 | Discrete         | 1.040   | 1.000 | 0.600 |
| Research         Optimization         1.419         0.481         1.903           Communications in Nonlinear Science and Numerical Simulation         0.775         1.154         0.446         Ecological Complexity         1.026         0.930         1.797           Comptes Rendus Mathematique         0.775         1.154         0.446         Ecological Complexity         1.026         0.930         1.797           Computational Geometry         1.349         0.766         0.589         Electronic Commerce Research and Applications         2.053         1.582         2.139           Computational Statistics & Data Analysis         Analysis with Boundary Elements         Boundary Elements         1.251         1.862           Computer Aided Geometric Design         1.554         1.024         1.092         Engineering Applications of Artificial Intelligence         2.148         1.371         2.368           Computer Communications         2.002         0.889         2.099         European Journal of Combinatorics         1.089         1.233         0.650           Computer Languages, Systems         0.944         0.252         0.556         European Journal of Operational         2.295         2.595         2.679   |                    |       |       |       | Mathematics      |         |       |       |
| Communications in Nonlinear Science and Numerical Simulation         1.776         1.575         2.834         Displays         1.419         0.481         1.903           Comptes Rendus Mathematique         0.775         1.154         0.446         Ecological Complexity         1.026         0.930         1.797           Computational Geometry         1.349         0.766         0.589         Electronic Commerce Research and Applications         2.053         1.582         2.139           Computational Statistics & Data Analysis         1.244         1.283         1.179         Engineering Analysis with Boundary Elements         1.320         1.251         1.862           Computer Aided Geometric Design         1.554         1.024         1.092         Engineering Applications of Artificial Intelligence         2.148         1.371         2.368           Computer Computer Computer Communications         2.002         0.889         2.099         European Journal of Combinatorics         1.089         1.233         0.650           Computer Languages, Systems         0.944         0.252         0.556         European Journal of Operational         2.295         2.595         2.679  | Cognitive Systems  | 1.850 | 0.307 | 1.204 | Discrete         | 1.248   | 0.924 | 0.889 |
| Nonlinear Science and Numerical Simulation         0.775         1.154         0.446         Ecological Complexity         1.026         0.930         1.797           Comptes Rendus Mathematique         1.349         0.766         0.589         Electronic Complexity         2.053         1.582         2.139           Geometry         Commerce Research and Applications         Commerce Research and Applications         1.320         1.251         1.862           Statistics & Data Analysis         Boundary Elements         Elements         1.371         2.368           Computer Aided Geometric Design         1.554         1.024         1.092         Engineering Applications of Artificial Intelligence         2.148         1.371         2.368           Computer Computer Computer Computer Computer Computer Computer Systems         0.944         0.252         0.556         European Journal of Combinatorics         2.295         2.595         2.679   | Research           |       |       |       | Optimization     |         |       |       |
| and Numerical Simulation         0.775         1.154         0.446         Ecological Complexity         1.026         0.930         1.797           Mathematique         1.349         0.766         0.589         Electronic Complexity         2.053         1.582         2.139           Geometry         Computational Geometry         1.244         1.283         1.179         Engineering Analysis with Boundary Elements         1.320         1.251         1.862           Computer Aided Geometric Design         1.554         1.024         1.092         Engineering Applications of Artificial Intelligence         2.148         1.371         2.368           Computer Computer Aided Geometric Design         2.002         0.889         2.099         European Journal of Combinatorics         1.089         1.233         0.650           Computer Computer Computer Computer Aided Geometric Design         0.944         0.252         0.556         European Journal of Combinatorics         1.089         1.233         0.650  | Communications in  | 1.776 | 1.575 | 2.834 | Displays         | 1.419   | 0.481 | 1.903 |
| Simulation         Comptes Rendus Mathematique         0.775         1.154         0.446         Ecological Complexity         1.026         0.930         1.797           Computational Geometry         1.349         0.766         0.589         Electronic Commerce Research and Applications         2.053         1.582         2.139           Computational Statistics & Data Analysis         1.244         1.283         1.179         Engineering Analysis with Boundary Elements         1.320         1.251         1.862           Computer Aided Geometric Design         1.554         1.024         1.092         Engineering Applications of Artificial Intelligence         2.148         1.371         2.368           Computer Computer Computer Computer Computer Computer Computer Computer Computer Systems         2.092         European Journal of Computal Of Combinatorics         1.089         1.233         0.650           European Journal Computer Compute  | Nonlinear Science  |       |       |       |                  |         |       |       |
| Comptes Rendus Mathematique         0.775         1.154         0.446         Ecological Complexity         1.026         0.930         1.797           Computational Geometry         1.349         0.766         0.589         Electronic Commerce Research and Applications         2.053         1.582         2.139           Computational Statistics & Data Analysis         1.244         1.283         1.179         Engineering Analysis with Boundary Elements         1.320         1.251         1.862           Computer Aided Geometric Design         1.554         1.024         1.092         Engineering Applications of Artificial Intelligence         2.148         1.371         2.368           Computer Computer Computer Communications         2.002         0.889         2.099         European Journal of Combinatorics         1.089         1.233         0.650           Computer Computer Computer Languages, Systems         0.944         0.252         0.556         European Journal of Operational         2.295         2.595         2.679  | and Numerical      |       |       |       |                  |         |       |       |
| Mathematique         Computational         1.349         0.766         0.589         Electronic         2.053         1.582         2.139           Geometry         Geometry         Languages, Systems         1.349         0.766         0.589         Electronic         2.053         1.582         2.139           Computer Geometry         Commerce Research and Applications         1.320         1.251         1.862           Statistics & Data Analysis         Boundary Elements         1.320         1.251         1.862           Computer Aided Geometric Design         1.554         1.024         1.092         Engineering Applications of Artificial Intelligence         2.148         1.371         2.368           Computer         2.002         0.889         2.099         European Journal of Combinatorics         1.089         1.233         0.650   | Simulation         |       |       |       |                  |         |       |       |
| Mathematique         Complexity         Complexity         2.053         1.582         2.139           Computational Geometry         1.349         0.766         0.589         Electronic Commerce Research and Applications         1.582         2.139           Computational Statistics & Data Analysis         1.244         1.283         1.179         Engineering Analysis with Boundary Elements         1.320         1.251         1.862           Computer Aided Geometric Design         1.554         1.024         1.092         Engineering Applications of Artificial Intelligence         2.148         1.371         2.368           Computer Computer Communications         2.002         0.889         2.099         European Journal of Combinatorics         1.089         1.233         0.650           Computer Computer Languages, Systems         0.944         0.252         0.556         European Journal of Operational         2.295         2.595         2.679   | Comptes Rendus     | 0.775 | 1.154 | 0.446 | Ecological       | 1.026   | 0.930 | 1.797 |
| Computational Geometry   | _                  |       |       |       | _                |         |       |       |
| Geometry  Geometry  Commerce Research and Applications  Computational Statistics & Data Analysis  Computer Aided Geometric Design  Computer Compute | 1                  | 1.349 | 0.766 | 0.589 |                  | 2.053   | 1.582 | 2.139 |
| Research and Applications  Computational Statistics & Data Analysis  Computer Aided Geometric Design  Computer  Comp |                    |       |       |       |                  | , , , , |       |       |
| Computational         1.244         1.283         1.179         Engineering<br>Analysis with<br>Boundary<br>Elements         1.320         1.251         1.862           Computer Aided<br>Geometric Design         1.554         1.024         1.092         Engineering<br>Applications of<br>Artificial<br>Intelligence         2.148         1.371         2.368           Computer<br>Computer<br>Communications         2.002         0.889         2.099         European Journal<br>of Combinatorics         1.089         1.233         0.650           Computer<br>Languages, Systems         0.944         0.252         0.556         European Journal<br>of Operational         2.295         2.595         2.679   |                    |       |       |       |                  |         |       |       |
| Computational   1.244   1.283   1.179   Engineering   1.320   1.251   1.862     Statistics & Data   Analysis with   Boundary   Elements     Computer Aided   1.554   1.024   1.092   Engineering   Applications of   Artificial   Intelligence     Computer   2.002   0.889   2.099   European Journal   1.089   1.233   0.650     Computer   Computer   0.944   0.252   0.556   European Journal   2.295   2.595   2.679     Languages, Systems   Computer   0.944   0.252   0.556   European Journal   0.944   0.252   0.556   European Journal   0.944   0.255   0.556   European Journal   0.945   0.257   0.556   European Journal   0.945   0.257   0.556   0.   |                    |       |       |       |                  |         |       |       |
| Statistics & Data Analysis Analysis Boundary Elements  Computer Aided Geometric Design Computer Comput | Computational      | 1 244 | 1 283 | 1 170 |                  | 1 320   | 1 251 | 1 862 |
| Analysis  Computer Aided Geometric Design  Computer  Com | _                  | 1.244 | 1.203 | 1.17) |                  | 1.320   | 1.231 | 1.002 |
| Computer Aided   1.554   1.024   1.092   Engineering   2.148   1.371   2.368     Geometric Design   Applications of   Artificial   Intelligence     Computer   2.002   0.889   2.099   European Journal   1.089   1.233   0.650     Communications   Computer   0.944   0.252   0.556   European Journal   2.295   2.595   2.679     Languages, Systems   Computer   0.944   0.252   0.556   European Journal   0.945   0.94   |                    |       |       |       | -                |         |       |       |
| Computer Aided         1.554         1.024         1.092         Engineering         2.148         1.371         2.368           Geometric Design         Applications of Artificial Intelligence         Artificial Intelligence         1.089         1.233         0.650           Computer Communications         0.944         0.252         0.556         European Journal of Operational         2.295         2.595         2.679           Languages, Systems         Of Operational         Of Operational         0.252         0.556         European Journal of Operational         0.294         0.252         0.556         European Journal of Operational         0.252         0.679   | Allalysis          |       |       |       | •                |         |       |       |
| Geometric Design  Geometric Design  Applications of Artificial  Intelligence  Computer  Computer  Communications  Computer  O.944  O.252  O.556  European Journal  O.050  European Journal  O.255  European Journal  O.050  Computer  O.944  O.252  O.556  Of Operational  |                    | 1.554 | 1.024 | 1.002 |                  | 2 1 40  | 1.071 | 2.250 |
| Computer 2.002 0.889 2.099 European Journal 1.089 1.233 0.650 Communications 0.944 0.252 0.556 European Journal 2.295 2.595 2.679 Languages, Systems of Operational  | _                  | 1.554 | 1.024 | 1.092 |                  | 2.148   | 1.3/1 | 2.368 |
| Computer Communications         2.002         0.889         2.099         European Journal of Combinatorics         1.089         1.233         0.650           Computer Computer Languages, Systems         0.944         0.252         0.556         European Journal of Operational         2.295         2.595         2.679   | Geometric Design   |       |       |       |                  |         |       |       |
| Computer         2.002         0.889         2.099         European Journal of Combinatorics         1.089         1.233         0.650           Computer         0.944         0.252         0.556         European Journal of Operational         2.295         2.595         2.679           Languages, Systems         of Operational         of Operational         0.000 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>   |                    |       |       |       |                  |         |       |       |
| Communications of Combinatorics of Combinatorics  Computer 0.944 0.252 0.556 European Journal 2.295 2.595 2.679  Languages, Systems of Operational   |                    |       |       |       | _                |         |       |       |
| Computer 0.944 0.252 0.556 European Journal 2.295 2.595 2.679 Languages, Systems of Operational  | _                  | 2.002 | 0.889 | 2.099 | _                | 1.089   | 1.233 | 0.650 |
| Languages, Systems of Operational  | Communications     |       |       |       | of Combinatorics |         |       |       |
|  | Computer           | 0.944 | 0.252 | 0.556 | European Journal | 2.295   | 2.595 | 2.679 |
| and Structures Research  | Languages, Systems |       |       |       | of Operational   |         |       |       |
| ,  | and Structures     |       |       |       | Research         |         |       |       |

| C . M. 1 1         |       |       |          | n "et at. /Internationa  |       |       |       |
|--------------------|-------|-------|----------|--|-------|-------|-------|
| Computer Methods   | 2.023 | 2.952 | 3.467    | Expert Systems   | 2.561 | 1.839 | 2.981 |
| in Applied         |       |       |          | with Applications  |       |       |       |
| Mechanics and      |       |       |          |  |       |       |       |
| Engineering        |       |       |          |  |       |       |       |
| Computer Networks  | 1.819 | 0.755 | 1.446    | Expositiones   | 0.628 | 0.453 | 0.784 |
|                    |       |       |          | Mathematicae   |       |       |       |
| Computer Speech    | 1.648 | 0.974 | 1.324    | Finite Elements in   | 1.516 | 1.278 | 2.175 |
| and Language       | 1.010 | 0.571 | 1.321    | Analysis and   | 1.010 | 1.270 | 2.175 |
| and Language       |       |       |          | , and the second |       |       |       |
|                    |       |       |          | Design   |       |       |       |
| Computer Standards | 1.907 | 0.888 | 1.268    | Finite Fields and  | 1.344 | 1.096 | 1.292 |
| & Interfaces       |       |       |          | Their  |       |       |       |
|                    |       |       |          | Applications   |       |       |       |
| Computer Vision    | 2.340 | 1.490 | 2.134    | Future Generation  | 3.323 | 1.483 | 2.430 |
| and Image          |       |       |          | Computer   |       |       |       |
| Understanding      |       |       |          | Systems  |       |       |       |
| Computer-Aided     | 2.183 | 1.078 | 2.149    | Fuzzy Sets and   | 1.712 | 1.711 | 2.098 |
| Design             |       |       |          | Systems  |       |       |       |
| Computerized       | 1.311 | 0.630 | 1.385    | Games and  | 1.154 | 1.596 | 0.882 |
| Medical Imaging    | 1.311 | 0.030 | 1.363    | Economic Economic  | 1.134 | 1.570 | 0.002 |
|                    |       |       |          |  |       |       |       |
| and Graphics       |       |       |          | Behavior   |       |       |       |
| Computers &        | 1.164 | 0.565 | 1.084    | Graphical Models   | 0.972 | 0.443 | 0.821 |
| Electrical         |       |       |          |  |       |       |       |
| Engineering        |       |       |          |  |       |       |       |
| Historia           | 0.597 | 0.233 | 0.464    | Journal of Process   | 1.929 | 1.440 | 2.216 |
| Mathematica        |       |       |          | Control  |       |       |       |
| Image and Vision   | 2.049 | 1.700 | 1.766    | Journal of Pure  | 1.188 | 0.990 | 0.669 |
| Computing          |       |       |          | and Applied  |       |       |       |
|                    |       |       |          | Algebra  |       |       |       |
| Information and    | 1 254 | 0.600 | 0.972    |  | 0.007 | 1.000 | 0.727 |
| Information and    | 1.354 | 0.698 | 0.873    | Journal of   | 0.987 | 1.090 | 0.727 |
| Computation        |       |       |          | Statistical  |       |       |       |
|                    |       |       |          | Planning and   |       |       |       |
|                    |       |       |          | Inference  |       |       |       |
| Information and    | 1.919 | 1.381 | 2.163    | Journal of   | 1.843 | 0.979 | 1.030 |
| Management         |       |       |          | Symbolic   |       |       |       |
|                    |       |       |          | Computation  |       |       |       |
| Information and    | 3.163 | 0.920 | 1.569    | Journal of   | 2.415 | 0.897 | 1.424 |
| Software           |       |       |          | Systems and  |       |       |       |
|                    |       |       | <u> </u> | •  |       |       |       |

| Technology            | , , , , |       |       | Software           |       |       |       |
|-----------------------|---------|-------|-------|--------------------|-------|-------|-------|
| Information Fusion    | 3.537   | 1.941 | 4.353 | Journal of         | 1.084 | 0.399 | 0.683 |
|                       |         |       |       | Systems            |       |       |       |
|                       |         |       |       | Architecture       |       |       |       |
| Information           | 1.265   | 0.698 | 0.605 | Journal of The     | 1.411 | 1.454 | 2.327 |
| Processing Letters    |         |       |       | Franklin Institute |       |       |       |
| Information           | 2.489   | 2.513 | 3.364 | Journal of the     | 0.756 | 0.392 | 0.353 |
| Sciences              |         |       |       | Korean Statistical |       |       |       |
|                       |         |       |       | Society            |       |       |       |
| Indagationes          | 0.861   | 0.476 | 0.407 | Journal of Visual  | 1.588 | 0.785 | 1.530 |
| Mathematicae          |         |       |       | Communication      |       |       |       |
|                       |         |       |       | and Image          |       |       |       |
|                       |         |       |       | Representation     |       |       |       |
| Integration, the      | 1.156   | 0.283 | 0.703 | Journal of Visual  | 1.398 | 0.411 | 0.634 |
| VLSI Journal          |         |       |       | Languages and      |       |       |       |
|                       |         |       |       | Computing          |       |       |       |
| International Journal | 2.091   | 2.304 | 2.696 | Journal of Web     | 6.086 | 2.435 | 1.277 |
| of Approximate        |         |       |       | Semantics          |       |       |       |
| Reasoning             |         |       |       |                    |       |       |       |
| International Journal | 1.826   | 0.655 | 1.351 | Knowledge-         | 2.645 | 2.140 | 3.325 |
| of Critical           |         |       |       | Based Systems      |       |       |       |
| Infrastructure        |         |       |       |                    |       |       |       |
| Protection            |         |       |       |                    |       |       |       |
| International Journal | 1.777   | 1.198 | 1.626 | Linear Algebra     | 1.195 | 0.837 | 0.965 |
| of Forecasting        |         |       |       | and its            |       |       |       |
|                       |         |       |       | Applications       |       |       |       |
| International Journal | 2.158   | 0.815 | 1.476 | Mathematical       | 0.901 | 0.719 | 1.256 |
| of Human-Computer     |         |       |       | Biosciences        |       |       |       |
| Studies               |         |       |       |                    |       |       |       |
| International Journal | 1.400   | 1.211 | 1.920 | Mathematical       | 0.567 | 0.493 | 0.344 |
| of Non-Linear         |         |       |       | Social Sciences    |       |       |       |
| Mechanics             |         |       |       |                    |       |       |       |
| Journal de            | 1.746   | 3.180 | 1.818 | Mathematics and    | 1.054 | 0.677 | 1.124 |
| Mathématiques         |         |       |       | Computers in       |       |       |       |
| Pures et Appliquées   |         |       |       | Simulation         |       |       |       |
| Journal of Algebra    | 1.230   | 1.165 | 0.660 | Medical Image      | 3.083 | 2.048 | 4.565 |
|                       |         |       |       | Analysis           |       |       |       |

|                     | , ,   |       |       | in et al./Internationa |       |       |       |
|---------------------|-------|-------|-------|------------------------|-------|-------|-------|
| T 1 C A 1' 1        | 0.710 | 0.210 | 0.267 | NI 1NI 1               | 2.226 | 1.620 | 2.216 |
| Journal of Applied  | 0.710 | 0.310 | 0.367 | Neural Networks        | 2.236 | 1.629 | 3.216 |
| Mathematics and     |       |       |       |                        |       |       |       |
| Mechanics           |       |       |       |                        |       |       |       |
| Journal of          | 1.265 | 0.923 | 0.921 | Neurocomputing         | 1.757 | 1.202 | 2.392 |
| Approximation       |       |       |       |                        |       |       |       |
| Theory              |       |       |       |                        |       |       |       |
| Journal of          | 1.634 | 2.350 | 0.979 | Nonlinear              | 1.520 | 1.994 | 3.192 |
| Combinatorial       |       |       |       | Analysis: Hybrid       |       |       |       |
| Theory, Series A    |       |       |       | Systems                |       |       |       |
| Journal of          | 2.054 | 2.411 | 1.094 | Nonlinear              | 1.784 | 1.792 | 2.238 |
| Combinatorial       |       |       |       | Analysis: Real         |       |       |       |
| Theory, Series B    |       |       |       | World                  |       |       |       |
|                     |       |       |       | Applications           |       |       |       |
| Journal of          | 1.653 | 1.226 | 1.358 | Ocean Modelling        | 1.558 | 2.141 | 3.337 |
| Complexity          |       |       |       |                        |       |       |       |
|                     |       |       |       |                        |       |       |       |
| Journal of          | 1.293 | 1.089 | 1.328 | Operations             | 0.744 | 0.727 | 0.627 |
| Computational and   | 1.275 | 1.009 | 1.320 | Research Letters       | 0.711 | 0.727 | 0.027 |
| Applied             |       |       |       | Research Letters       |       |       |       |
| Mathematics         |       |       |       |                        |       |       |       |
|                     | 1 161 | 0.597 | 1.070 | Ontical Stretchina     | 0.707 | 0.402 | 1 127 |
| Journal of          | 1.161 | 0.587 | 1.078 | Optical Switching      | 0.707 | 0.492 | 1.137 |
| Computational       |       |       |       | and Networking         |       |       |       |
| Science             |       |       |       |                        |       |       |       |
| Journal of Computer | 2.376 | 1.334 | 1.583 | Parallel               | 1.693 | 0.726 | 1.000 |
| and System Sciences |       |       |       | Computing              |       |       |       |
| Journal of          | 1.876 | 2.809 | 1.821 | Pattern                | 3.166 | 2.051 | 3.399 |
| Differential        |       |       |       | Recognition            |       |       |       |
| Equations           |       |       |       |                        |       |       |       |
| Journal of          | 2.002 | 3.781 | 1.611 | Pattern                | 2.155 | 1.225 | 1.586 |
| Econometrics        |       |       |       | Recognition            |       |       |       |
|                     |       |       |       | Letters                |       |       |       |
| Journal of Economic | 1.029 | 0.937 | 0.879 | Performance            | 1.581 | 0.527 | 0.944 |
| Dynamics and        |       |       |       | Evaluation             |       |       |       |
| Control             |       |       |       |                        |       |       |       |
| Journal of          | 1.518 | 2.526 | 1.273 | Pervasive and          | 2.051 | 0.872 | 1.719 |
| Functional Analysis |       |       |       | Mobile                 |       |       |       |
|                     |       |       |       |                        |       |       |       |

|                      | v iuc |       | VIOSKOVK | Computing          | ai Journai | 0j 1 narma |       |
|----------------------|-------|-------|----------|--------------------|------------|------------|-------|
|                      |       |       |          | Computing          |            |            |       |
| Journal of Geometry  | 1.111 | 0.705 | 0.752    | Review of          | 1.574      | 2.554      | 1.256 |
| and Physics          |       |       |          | Economic           |            |            |       |
|                      |       |       |          | Dynamics           |            |            |       |
| Journal of           | 2.248 | 1.190 | 2.240    | Robotics and       | 2.265      | 1.377      | 1.618 |
| Manufacturing        |       |       |          | Autonomous         |            |            |       |
| Systems              |       |       |          | Systems            |            |            |       |
| Journal of           | 1.262 | 1.161 | 1.014    | Science of         | 1.380      | 0.570      | 0.828 |
| Mathematical         |       |       |          | Computer           |            |            |       |
| Analysis and         |       |       |          | Programming        |            |            |       |
| Applications         |       |       |          |                    |            |            |       |
| Journal of           | 0.605 | 0.579 | 0.434    | Signal Processing  | 1.931      | 1.119      | 2.063 |
| Mathematical         |       |       |          |                    |            |            |       |
| Economics            |       |       |          |                    |            |            |       |
| Journal of           | 1.165 | 1.458 | 0.857    | Signal             | 1.551      | 0.661      | 1.602 |
| Multivariate         |       |       |          | Processing: Image  |            |            |       |
| Analysis             |       |       |          | Communication      |            |            |       |
| Journal of Network   | 2.762 | 1.100 | 2.331    | Statistics &       | 0.834      | 0.720      | 0.506 |
| and Computer         |       |       |          | Probability        |            |            |       |
| Applications         |       |       |          | Letters            |            |            |       |
| Journal of Number    | 1.073 | 0.858 | 0.596    | Simulation         | 1.591      | 0.724      | 1.482 |
| Theory               |       |       |          | Modelling          |            |            |       |
|                      |       |       |          | Practice and       |            |            |       |
|                      |       |       |          | Theory             |            |            |       |
| Journal of Parallel  | 1.727 | 0.851 | 1.320    | Spatial Statistics | 1.785      | 1.052      | 1.385 |
| and Distributed      |       |       |          |                    |            |            |       |
| Computing            |       |       |          |                    |            |            |       |
| Journal of           | 1.387 | 1.153 | 1.118    | Speech             | 1.677      | 0.685      | 1.038 |
| Pragmatics           |       |       |          | Communication      |            |            |       |
| Stochastic Processes | 1.347 | 1.664 | 1.193    | Theoretical        | 1.345      | 0.720      | 0.643 |
| and their            |       |       |          | Computer Science   |            |            |       |
| Applications         |       |       |          |                    |            |            |       |
| Telematics and       | 1.665 | 0.737 | 2.261    | Topology and its   | 0.954      | 0.542      | 0.493 |
| Informatics          |       |       |          | Applications       |            |            |       |
|                      |       | 1     |          |                    |            |            |       |

**Table 3:** Journal's subscription prices for the aggregated subject area «Journals within Economics, Finance Business, Management and Accounting»

| Economics, Finance Business, USD         USD         USD         WSD         Pinance Business, USD         USD         USD         %           Management and Accounting and Accoun   | Journals within   | Price | Price   | Gro  | n*et al. /Internation  Journals within | Price | Price   | Grow |
|--|-------------------|-------|---------|------|--|-------|---------|------|
| Management and Accounting and Accounting 2015         May 2015         Cotober 19, 19, 2016         Business, Management 19, 19, 2016         Management 19, 19, 2016         19, 19, 2016           Accounting, Organizations & Society         2928         3362         Information and Management 1385         1646         18.8           Applied Ergonomics         1745         1987         13.9         Organization and Organization 1100         1278         16,2           Business Horizons Ergonomics         552         615         Economics and Economics and Post-Communist and Post-Communist and Post-Communist and International Studies         11.4         Policy Pol   | Economics,        | USA-  | USA-    | wth, | Economics,                             | USA-  | USA-    | th,  |
| and Accounting         19, 2015         19, 2016         Management and Accounting, 2015         19, 2016         19, 2015         2016         19, 2015         2016         2016         2015         2016         2017         2017         2017         2017         2017         2017         2017         2017         2017         2017         2017 <th>Finance Business,</th> <th>USD</th> <th>USD</th> <th>%</th> <th>Finance</th> <th>USD</th> <th>USD</th> <th>%</th>   | Finance Business, | USD   | USD     | %    | Finance                                | USD   | USD     | %    |
| Accounting. Organizations & Society         2928         3362         Information and Management         1385         1646           Applied Ergonomics         1745         1987         13.9         Organization and Dinformation and  | Management        | May   | October |      | Business,                              | May   | October |      |
| Accounting, Organizations & Society         3362   14.8   16.46   18.8   18                                 | and Accounting    | 19,   | 19,     |      | Management                             | 19,   | 19,     |      |
| Organizations & Society         2928         3362         Management         1385         1646           Applied Ergonomics         1745         1987         13.9         Organization         1100         1278         16,2           Business Horizons         552         615         Information         881         989           China Economic Review         695         827         19         Business Review         1835         2152         17.3           Communist and Post-Communist Studies         690         747         Accounting Information         674         774         14.8           Computers & Industrial Engineering         4410         5077         International Journal of Pope International Journal of International Journal of Hospitality International Journal of International Journal of Pope International Journal of International Journal of International Journal of International Industrial Industrial Industrial Industrial Journal of Pope International Journal of International Journal of International Journal of International Industrial Industrial Industrial Industrial International Journal of International Journal of International Industrial Industrial International Journal of International Journal of International Industrial International Journal of International Industrial International Journal of International Journal of International International Journal of International International Industrial International Journal of International In   |                   | 2015  | 2016    |      | and Accounting                         | 2015  | 2016    |      |
| Society  | Accounting,       |       |         |      | Information and                        |       |         |      |
| Applied   Ergonomics   1745   1987   13.9   Organization   1100   1278   16,2  | Organizations &   | 2928  | 3362    |      | Management                             | 1385  | 1646    |      |
| Ergonomics   1745   1987   13.9   Organization   1100   1278   16,2  | Society           |       |         | 14.8 |  |       |         | 18.8 |
| Business Horizons  | Applied           |       |         |      | Information and                        |       |         |      |
| China Economic Review  | Ergonomics        | 1745  | 1987    | 13.9 | Organization                           | 1100  | 1278    | 16,2 |
| China Economic   Review   695   827   19   Business Review   1835   2152   17.3  | Business Horizons |       |         |      | Information                            |       |         |      |
| China Economic<br>Review         695         827         19         Business Review         1835         2152         17.3           Communist and<br>Post-Communist<br>Studies         690         747         Accounting<br>Information         674         774           Computers &<br>Industrial         4410         5077         Journal of<br>Journal of         996         1059           Engineering         15.1         Forecasting         6.3           Computers in<br>Industry         2012         2349         Journal of<br>Hospitality         1308         1570           Decision Support<br>Systems         1920         2284         Journal of<br>International         2139         2353           Industrial<br>Ecological<br>Economics         2851         3391         International<br>Information         1375         1628           Information<br>Information         18.9         Management         18.4   |                   | 552   | 615     |      | Economics and                          | 881   | 989     |      |
| Review         695         827         19         Business Review         1835         2152         17.3           Communist and Post-Communist Studies         690         747         Accounting Information         674         774           Studies         690         747         Accounting Information         674         774           Computers & Industrial Endustrial Industrial Industry         4410         5077         Journal of Journal of Pope Information         996         1059           Computers in Industry         2012         2349         Journal of Hospitality         1308         1570           Decision Support Systems         1920         2284         Journal of International Journal of International Industrial         2139         2353           Industrial Ecological Economics         2851         3391         International Journal of Information         1375         1628           Information         18.9         Management         18.4   |                   |       |         | 11.4 | Policy                                 |       |         | 12.3 |
| Communist and   Post-Communist   Studies   690   747   Accounting   Information   Information   Systems   14.8   | China Economic    |       |         |      | International                          |       |         |      |
| Post-Communist   Studies   690   747   Accounting   674   774   14.8   | Review            | 695   | 827     | 19   | Business Review                        | 1835  | 2152    | 17.3 |
| Studies  | Communist and     |       |         |      | International                          |       |         |      |
| Systems   14.8   | Post-Communist    |       |         |      | Journal of                             |       |         |      |
| Systems   14.8   Computers & International   Journal of   996   1059   Engineering   15.1   Forecasting   6.3  | Studies           | 690   | 747     |      | Accounting                             | 674   | 774     |      |
| Computers &   Industrial   4410   5077   Journal of   996   1059     Engineering   15.1   Forecasting   6.3     Computers in   International   Journal of   1308   1570     Hospitality   16.7   Management   20     Decision Support   Systems   1920   2284   Journal of   2139   2353     Industrial   19   Organization   10     Ecological   Economics   2851   3391   Journal of   1375   1628     Information   18.9   Management   18.4  |                   |       |         |      | Information                            |       |         |      |
| Industrial   |                   |       |         | 8.3  | Systems                                |       |         | 14.8 |
| Engineering  | Computers &       |       |         |      | International                          |       |         |      |
| Computers in Industry 2012 2349 Journal of Hospitality 16.7 Management 20  Decision Support Systems 1920 2284 Journal of Industrial 19 Organization 10  Ecological Economics 2851 3391 Journal of Information 18.9 Management 18.4   | Industrial        | 4410  | 5077    |      | Journal of                             | 996   | 1059    |      |
| Industry   | Engineering       |       |         | 15.1 | Forecasting                            |       |         | 6.3  |
| Decision Support Systems 1920 2284 Industrial Ecological Economics 2851 3391 Journal of Information  Hospitality Management 20  International Journal of 2139 2353 Industrial International International Journal of 1375 1628 Information | Computers in      |       |         |      | International                          |       |         |      |
| 16.7   Management   20   | Industry          | 2012  | 2349    |      | Journal of                             | 1308  | 1570    |      |
| Decision Support Systems 1920 2284 Journal of Industrial 19 Organization Ecological Economics 2851 Journal of International Journal of International International Journal of Information 18.9 Management 18.4   |                   |       |         |      | Hospitality                            |       |         |      |
| Systems         1920         2284         Journal of Industrial         2139         2353           Industrial         19 Organization         10           Ecological Economics         2851         3391         Journal of Information         1375         1628           Information         18.9         Management         18.4   |                   |       |         | 16.7 | Management                             |       |         | 20   |
| Ecological International Journal of Information 18.9 Management 18.4   | Decision Support  |       |         |      | International                          |       |         |      |
| Ecological International Journal of 1375 1628 Information 18.9 Management 18.4   | Systems           | 1920  | 2284    |      | Journal of                             | 2139  | 2353    |      |
| Ecological Economics 2851 3391 Journal of 1375 1628 Information 18.9 Management 18.4   |                   |       |         |      | Industrial                             |       |         |      |
| Economics 2851 3391 Journal of 1375 1628 Information 18.9 Management 18.4  |                   |       |         | 19   | Organization                           |       |         | 10   |
| Information 18.9 Management 18.4   | Ecological        |       |         |      | International                          |       |         |      |
| 18.9 Management 18.4   | Economics         | 2851  | 3391    |      | Journal of                             | 1375  | 1628    |      |
|  |                   |       |         |      | Information                            |       |         |      |
| Economic 18.4 International 16   |                   |       |         | 18.9 | Management                             |       |         | 18.4 |
| <u>.                                      </u>   | Economic          |       |         | 18.4 | International                          |       |         | 16   |

|                  | viaa | limir M. M | OSKOVKII | n*et al. /Internation | al Journal | of Pnarm | acy & Te |
|------------------|------|------------|----------|-----------------------|------------|----------|----------|
| Modelling        | 1560 | 1847       |          | Journal of            | 1886       | 2187     |          |
|                  |      |            |          | Project               |            |          |          |
|                  |      |            |          | Management            |            |          |          |
| Economic Systems |      |            |          | International         |            |          |          |
|                  | 522  | 565        |          | Journal of            | 1079       | 1277     |          |
|                  |      |            |          | Research in           |            |          |          |
|                  |      |            | 8.2      | Marketing             |            |          | 18.4     |
| Economics and    |      |            |          | International         |            |          |          |
| Human Biology    | 690  | 810        |          | Review of             | 678        | 803      |          |
|                  |      |            |          | Economics &           |            |          |          |
|                  |      |            | 17.4     | Finance               |            |          | 18.4     |
| Emerging Markets |      |            |          | International         |            |          |          |
| Review           | 406  | 481        |          | Review of Law         | 942        | 1090     |          |
|                  |      |            | 18.5     | and Economics         |            |          | 15.7     |
| Energy           |      |            |          | Japan and the         |            |          |          |
|                  | 4133 | 4937       | 19,5     | World Economy         | 875        | 1002     | 14.5     |
| Energy Economics |      |            |          | Journal of            |            |          |          |
|                  | 1739 | 2059       |          | Accounting and        | 2100       | 2434     |          |
|                  |      |            | 18.4     | Economics             |            |          | 15.9     |
| Energy Policy    |      |            |          | Journal of            |            |          |          |
|                  | 3736 | 4392       |          | Accounting and        | 1077       | 1237     |          |
|                  |      |            | 17.6     | Public Policy         |            |          | 14.9     |
| European         |      |            |          | Journal of Air        |            |          |          |
| Economic Review  | 2313 | 2713       |          | Transport             | 1155       | 1354     |          |
|                  |      |            | 17.3     | Management            |            |          | 17.2     |
| European         |      |            |          | Journal of            |            |          |          |
| Management       | 1235 | 1362       |          | Banking and           | 4466       | 4857     |          |
| Journal          |      |            | 10.3     | Finance (JBF)         |            |          | 8.8      |
| Evaluation and   |      |            |          | Journal of            |            |          |          |
| Program Planning | 1381 | 1619       |          | Business              | 3248       | 3764     |          |
|                  |      |            | 17.2     | Research              |            |          | 15.9     |
| Evolution and    |      |            |          | Journal of            |            |          |          |
| Human Behavior   | 1786 | 2032       |          | Business              | 1604       | 1907     |          |
|                  |      |            | 13.8     | Venturing             |            |          | 18.9     |
| Explorations in  |      |            |          | Journal of            |            |          |          |
| _                | 815  | 927        |          | Choice                | 333        | 373      |          |
| Economic History | 015  | / - /      |          |                       |            |          |          |

| Finance Research   | Einanaa Dasaarah  | v iui | 1111111 1V1. 1V1 | OSKOVKII | Iournal of             | ai <b>J</b> ournai | oj i narna | $\frac{ucy \propto re}{}$ |
|--|-------------------|-------|------------------|----------|------------------------|--------------------|------------|---------------------------|
| 15.7   Economics   11.8  | Finance Research  | 680   | 707              |          | Journal of Comparative | 015                | 1023       |                           |
| Forest Policy and   Economics   753   893   Consumer   982   1104   12.4   | Letters           | 007   | 191              | 157      | _                      | 713                | 1023       | 11 Q                      |
| Economics  | Forest Policy and |       |                  | 13./     |                        |                    |            | 11.0                      |
| Futures  |                   | 752   | 803              |          |                        | 082                | 1104       |                           |
| Futures  | Economics         | 133   | 093              | 18.6     |                        | 962                | 1104       | 12.4                      |
| 1747   2030   Corporate   873   1048   20  | Futuros           |       |                  | 16.0     | , ,,                   |                    |            | 12.4                      |
| Table   Tabl | Futures           | 1747  | 2030             |          |                        | 972                | 1048       |                           |
| Games and   Economic   Behavior   1284   1506   Marketing & 507   570   12.4   |                   | 1/4/  | 2030             | 16.2     | -                      | 0/3                | 1046       | 20                        |
| Destination  | Comes and         |       |                  | 10.2     |                        |                    |            | 20                        |
| Behavior   |                   |       |                  |          |                        |                    |            |                           |
| Human Resource   |                   | 1204  | 1506             |          |                        | 507                | 570        |                           |
| Human Resource   Management   797   957   Development   3020   3452  | Behavior          | 1284  | 1506             | 17.0     |                        | 507                | 570        | 12.4                      |
| Management Review         797         957         Development Economics         3020         3452         14.3           Industrial Industrial Marketing Management         1751         2029         Journal of Operations         1027         1170           Marketing Management         15.9         Management         13.9           Journal of Econometrics         4415         5001         13.3         Modeling Modeling         1191         1291         8.4           Journal of Economic Behavior and Organization         3676         4183         3669         4283         16.7           Journal of Economic Dynamics and Control         2682         3103         Purchasing & 830         977         977         17.7           Journal of Economic 1064         1254         Retailing         623         701         701         12.5           Journal of Economic Theory         4087         4434         Products         1902         2179         12.5           Journal of Modeling         11050         Journal of the         846         978         14.6   |                   |       |                  | 17.3     |                        |                    |            | 12.4                      |
| Review   |                   |       |                  |          |                        |                    |            |                           |
| Industrial Marketing Management  |                   | 797   | 957              |          | _                      | 3020               | 3452       |                           |
| Marketing Management         15.9         Operations Management         13.9           Journal of Econometrics         4415         5001         13.3         Modeling         1191         1291         8.4           Journal of Economic Behavior and Organization         3676         4183         3669         4283         16.7           Journal of Economic Dynamics and Control         2682         3103         Purchasing & 830         977         977         17.7           Journal of Economic Psychology         15.7         Management         17.7         17.7           Journal of Economic Theory         1064         1254         Retailing         623         701         12.5           Journal of Economic Theory         4087         4434         Products         1902         2179         14.6           Journal of Stored Economic Theory         891         1050         Journal of the         846         978   | Review            |       |                  | 20.1     | Economics              |                    |            | 14.3                      |
| Management         15.9         Management         13.9           Journal of Econometrics         4415         5001         13.3         Modeling         1191         1291         8.4           Journal of Economic Behavior and Organization         3676         4183         3669         4283         16.7           Journal of Economic Dynamics and Control         2682         3103         Purchasing & 830         977         977         17.7           Journal of Economic Dournal of Economic 1064         1254         Retailing Retailing         623         701         12.5           Journal of Economic Theory         4087         4434         Products         1902         2179           Economic Theory Augustanion Theory         4087         4434         Products         1902         2179           Besearch Augustanion Theory Augustanion Theor  | Industrial        | 1751  | 2029             |          | Journal of             | 1027               | 1170       |                           |
| Journal of Econometrics  | Marketing         |       |                  |          | Operations             |                    |            |                           |
| Econometrics         4415         5001         13.3         Modeling         1191         1291         8.4           Journal of Economic         Economics         Economics         Economics         3669         4283           Behavior and Organization         13.8         Journal of         16.7           Journal of Economic         2682         3103         Purchasing & 830         977           Dynamics and Control         15.7         Management         17.7           Journal of Economic         1064         1254         Retailing         623         701           Psychology         17.9         12.5           Journal of Economic Theory         4087         4434         Products         1902         2179           Research         14.6           Journal of         846         978   | Management        |       |                  | 15.9     | Management             |                    |            | 13.9                      |
| Journal of   Economic   Economics   Supply   S | Journal of        |       |                  |          | Journal of Policy      |                    |            |                           |
| Economic         Behavior and         3676         4183         Economics         3669         4283           Organization         13.8         Journal of         16.7           Journal of         Economic         2682         3103         Purchasing & 830         977           Dynamics and         Supply         15.7         Management         17.7           Journal of         Economic         Journal of         Retailing         623         701           Psychology         17.9         12.5           Journal of         Journal of Stored         Products         1902         2179           Economic Theory         4087         4434         Products         1902         2179           Research         Journal of the         846         978   | Econometrics      | 4415  | 5001             | 13.3     | Modeling               | 1191               | 1291       | 8.4                       |
| Behavior and Organization         3676         4183         3669         4283           Journal of Economic Dynamics and Control         2682         3103         Purchasing & 830         977           Dynamics and Control         15.7         Management         17.7           Journal of Economic Psychology         1064         1254         Retailing         623         701           Psychology         17.9         12.5           Journal of Economic Theory         4087         4434         Products         1902         2179           Besearch         14.6           Journal of         891         1050         Journal of the         846         978   | Journal of        |       |                  |          | Journal of Public      |                    |            |                           |
| Organization         13.8         16.7           Journal of Economic         2682         3103         Purchasing & 830         977           Dynamics and Control         15.7         Management         17.7           Journal of Economic         1064         1254         Retailing         623         701           Psychology         17.9         12.5           Journal of Economic Theory         4087         4434         Products         1902         2179            Economic Theory Augusta         8.5         Research         14.6           Journal of Stored Research         14.6         978  | Economic          |       |                  |          | Economics              |                    |            |                           |
| Journal of   Economic   2682   3103   Purchasing & 830   977   | Behavior and      | 3676  | 4183             |          |                        | 3669               | 4283       |                           |
| Economic         2682         3103         Purchasing & 830         977           Dynamics and         15.7         Management         17.7           Journal of         Journal of         Retailing         623         701           Psychology         17.9         12.5           Journal of         Journal of Stored         Products         1902         2179           Economic Theory         4087         4434         Products         1902         2179           Journal of         8.5         Research         14.6           Journal of         891         1050         Journal of the         846         978  | Organization      |       |                  | 13.8     |                        |                    |            | 16.7                      |
| Dynamics and Control         Supply         15.7         Management         17.7           Journal of Economic Psychology         1064         1254         Retailing         623         701           Psychology         17.9         12.5           Journal of Economic Theory         4087         4434         Products         1902         2179           B.5         Research         14.6           Journal of         B91         1050         Journal of the         846         978  | Journal of        |       |                  |          | Journal of             |                    |            |                           |
| Control         15.7         Management         17.7           Journal of Economic         1064         1254         Retailing         623         701           Psychology         17.9         12.5           Journal of Economic Theory         4087         4434         Products         1902         2179           B.5         Research         14.6           Journal of         B91         1050         Journal of the         846         978   | Economic          | 2682  | 3103             |          | Purchasing &           | 830                | 977        |                           |
| Journal of   Economic   1064   1254   Retailing   623   701     12.5   | Dynamics and      |       |                  |          | Supply                 |                    |            |                           |
| Economic         1064         1254         Retailing         623         701           Psychology         17.9         17.9         12.5           Journal of Economic Theory         4087         4434         Products         1902         2179           8.5         Research         14.6           Journal of         891         1050         Journal of the         846         978  | Control           |       |                  | 15.7     | Management             |                    |            | 17.7                      |
| Psychology         17.9         12.5           Journal of Economic Theory         4087         4434         Products   | Journal of        |       |                  |          | Journal of             |                    |            |                           |
| Journal of   Journal of Stored   Economic Theory   4087   4434   Products   1902   2179  | Economic          | 1064  | 1254             |          | Retailing              | 623                | 701        |                           |
| Economic Theory         4087         4434         Products         1902         2179           8.5         Research         14.6           Journal of         891         1050         Journal of the         846         978  | Psychology        |       |                  | 17.9     |                        |                    |            | 12.5                      |
| 8.5   Research   14.6  | Journal of        |       |                  |          | Journal of Stored      |                    |            |                           |
| Journal of         891         1050         Journal of the         846         978   | Economic Theory   | 4087  | 4434             |          | Products               | 1902               | 2179       |                           |
|  |                   |       |                  | 8.5      | Research               |                    |            | 14.6                      |
| Empirical Finance 17.8 Japanese and 15.6   | Journal of        | 891   | 1050             |          | Journal of the         | 846                | 978        |                           |
|  | Empirical Finance |       |                  | 17.8     | Japanese and           |                    |            | 15.6                      |

| Journal of Engineering and Technology   730   856   17.3   1776   2030  | 14.3<br>18.4<br>20<br>17.9 |
|---|----------------------------|
| Journal of   Engineering and   Technology   730   856   17.3   1776   2030  | 18.4 20 17.9               |
| Engineering and Technology  | 18.4 20 17.9               |
| Technology         730         856         17.3         1776         2030           Management         17.3         Journal of         2030           Journal of Environmental Economics and Management         1619         1850         Behavior         1644         1946           Management         14.3         Journal of World         705         846           Business Strategy         592         684         15.5         Business           Journal of Financial         3909         4669         Economics         900         1061           Economics         19.4         Long Range         Planning         2428         2763           Intermediation         18.3         Management         Accounting         709         826  | 18.4 20 17.9               |
| Management  | 18.4 20 17.9               |
| Journal of Environmental   Economics and   1619   1850   Behavior   1644   1946   | 18.4 20 17.9               |
| Environmental         1619         1850         Wocational         1644         1946           Management         14.3         Journal of World         705         846           Journal of Family         Journal of World         705         846           Business Strategy         592         684         15.5         Business           Journal of Financial         3909         4669         Economics         900         1061           Economics         19.4         Long Range         Planning         2428         2763           Intermediation         18.3         Management         Accounting         709         826   | 17.9                       |
| Economics and Management         1619         1850         Behavior         1644         1946           Journal of Family Business Strategy         592         684         15.5         Business         846           Journal of Financial         3909         4669         Economics         900         1061           Economics         19.4         Long Range         Planning         2428         2763           Intermediation         18.3         Management         Accounting         709         826  | 17.9                       |
| Management         14.3           Journal of Family         Journal of World         705         846           Business Strategy         592         684         15.5         Business         15.5         Business         15.5         Business         15.5         Business         15.5         Business         15.5 | 17.9                       |
| Journal of Family Business Strategy 592 684 15.5 Business  Journal of Financial 3909 4669 Economics 900 1061  Economics 19.4  Journal of Financial 689 815 Planning 2428 2763  Intermediation 18.3  Journal of Financial Markets 616 730 Accounting 709 826   | 17.9                       |
| Business Strategy 592 684 15.5 Business  Journal of Labour Economics 900 1061  Business Strategy 592 684 15.5 Business  Labour Economics 900 1061  Long Range Planning 2428 2763  Intermediation 18.3  Journal of Management Financial Markets 616 730 Accounting 709 826   | 17.9                       |
| Journal of   Economics   3909   4669   Economics   900   1061   | 17.9                       |
| Financial         3909         4669         Economics         900         1061           Economics         19.4         Long Range         2428         2763           Financial of Intermediation         18.3         Management         Accounting         709         826   |                            |
| Economics 19.4  Journal of Long Range Financial 689 815 Planning 2428 2763  Intermediation 18.3  Journal of Management Financial Markets 616 730 Accounting 709 826   |                            |
| Journal of Financial 689 815 Planning 2428 2763 Intermediation 18.3  Journal of Financial Markets 616 730 Accounting 709 826  |                            |
| Financial 689 815 Planning 2428 2763 Intermediation 18.3 Management Financial Markets 616 730 Accounting 709 826  | 13.8                       |
| Intermediation 18.3  Journal of Management Financial Markets 616 730 Accounting 709 826   | 13.8                       |
| Journal of Management Financial Markets 616 730 Accounting 709 826  | 13.8                       |
| Financial Markets 616 730 Accounting 709 826  | 1                          |
|   |                            |
| 18,5 Research   |                            |
|   | 16.5                       |
| Journal of Omega  |                            |
| Financial Stability 443 530 19.6 1980 2322  | 17.3                       |
| Journal of Forest Organizational  |                            |
| Economics 327 386 18.0 Dynamics 385 462   | 20.0                       |
| Journal of Health Pacific-Basin   |                            |
| Economics 2082 2442 17.3 Finance Journal 931 1087   | 16.8                       |
| Journal of Regional Science   |                            |
| Hospitality, and Urban  |                            |
| Leisure, Sport & Economics  |                            |
| Tourism Education 481 551 1606 1858   |                            |
| - Johlste 14.6  | 15.7                       |
| Journal of Housing Research in  |                            |
| Economics 581 682 Organizational 399 451  |                            |
| 17.4 Behavior   | 13.0                       |
| Journal of Research in  |                            |
| Interactive 6.5 Social  | İ                          |

| 35.1               |      |      | OSKOVKII | n*et al. /Internation |      |      | acy & 1e |
|--------------------|------|------|----------|-----------------------|------|------|----------|
| Marketing          | 1654 | 1761 |          | Stratification and    | 365  | 416  |          |
|                    |      |      |          | Mobility              |      |      |          |
| Journal of         |      |      |          | Research Policy       |      |      |          |
| International      | 2266 | 2615 |          |                       | 3310 | 3900 |          |
| Economics          |      |      | 15.4     |                       |      |      | 17.8     |
| Journal of         |      |      |          | Resource and          |      |      |          |
| International      |      |      |          | Energy                |      |      |          |
| Financial Markets, | 585  | 690  |          | Economics             | 1117 | 1298 |          |
| Institutions &     |      |      |          |                       |      |      |          |
| Money              |      |      | 17.9     |                       |      |      | 16.2     |
| Journal of         |      |      |          | Resources Policy      |      |      |          |
| International      | 1654 | 1245 |          |                       | 1413 | 1642 |          |
| Management         |      |      | -24.7    |                       |      |      | 16.2     |
| Journal of         |      |      |          | Review of             |      |      |          |
| International      | 1850 | 2169 |          | Economic              | 830  | 973  |          |
| Money and          |      |      |          | Dynamics              |      |      |          |
| Finance            |      |      | 17.2     |                       |      |      | 17.2     |
| Journal of         |      |      |          | Scandinavian          |      |      |          |
| Macroeconomics     | 541  | 644  |          | Journal of            | 1270 | 1462 |          |
|                    |      |      | 19       | Management            |      |      | 15.1     |
| Journal of         |      |      |          | Sport                 |      |      |          |
| Manufacturing      | 992  | 1088 |          | Management            | 446  | 505  |          |
| Systems            |      |      | 9.7      | Review                |      |      | 13.2     |
| Journal of         |      |      |          | Technological         |      |      |          |
| Mathematical       | 2399 | 2710 |          | Forecasting and       | 1625 | 1924 |          |
| Economics          |      |      | 13       | Social Change         |      |      | 18.4     |
| Journal of         |      |      |          | Technovation          |      |      |          |
| Monetary           | 3093 | 3519 |          |                       | 2594 | 3015 |          |
| Economics          |      |      | 13.8     |                       |      |      | 16.2     |
| Journal of         |      |      |          | The Leadership        |      |      |          |
| Nutrition          |      |      |          | Quarterly             |      |      |          |
| Education and      | 558  | 615  |          |                       | 871  | 1004 |          |
| Behavior (JNEB)    |      |      | 10.2     |                       |      |      | 15.3     |
| Telecommunicatio   |      |      |          | The North-            |      |      |          |
| ns Policy          |      |      |          | American              |      |      |          |
|                    | 1973 | 2272 |          | Journal of            | 743  | 867  |          |
|                    |      |      | 15.2     | Economics and         |      |      | 16.7     |
|                    |      |      |          |                       |      |      |          |

|                  |     |      |      | Finance     |      |      |      |
|------------------|-----|------|------|-------------|------|------|------|
| The Journal of   |     |      |      | Tourism     |      |      |      |
| Strategic        | 850 | 1006 |      | Management  | 2222 | 2667 |      |
| Information      |     |      |      |             |      |      |      |
| Systems          |     |      | 18.4 |             |      |      | 20   |
| Utilities Policy | 955 | 1099 |      | World       | 3740 | 4275 |      |
|                  |     |      | 15.1 | Development |      |      | 14.3 |

**Table 4:** Journal's subscription prices for the aggregated subject area «Journals within Mathematics and Computer Science»

| Journals       | Price   | Price       | Grow  | Journals         | Price   | Price          | Grow     |
|----------------|---------|-------------|-------|------------------|---------|----------------|----------|
| within Mathem  | USA-    | USA-USD     | th,   | within Mathema   | USA-USD | <b>USA-USD</b> | th,      |
| atics and      | USD     | October 19, | %     | tics and         | May 19, | October 19,    | <b>%</b> |
| Computer       | May 19, | 2016        |       | Computer Scienc  | 2015    | 2016           |          |
| Scienc         | 2015    |             |       |                  |         |                |          |
| Acta           |         |             |       | Computers &      |         |                |          |
| Mathematica    | 1110    | 1284        |       | Electrical       | 2357    | 2713           |          |
| Scientia       |         |             | 15.7  | Engineering      |         |                | 15.1     |
| Ad Hoc         |         |             |       | Computers &      |         |                |          |
| Networks       | 803     | 955         | 18.9  | Fluids           | 4351    | 5010           | 15.1     |
| Advances in    |         |             |       | Computers &      |         |                |          |
| Applied        | 1236    | 1097        |       | Graphics         | 2768    | 3158           |          |
| Mathematics    |         |             | -11.2 |                  |         |                | 14.1     |
| Advances in    | 3564    | 4046        |       | Computers &      | 4410    | 5077           |          |
| Engineering    |         |             |       | Industrial       |         |                |          |
| Software       |         |             | 13.5  | Engineering      |         |                | 15.1     |
| Advances in    |         |             |       | Computers &      |         |                |          |
| Mathematics    | 3977    | 4037        |       | Mathematics with | 6442    | 6345           |          |
|                |         |             | 1.5   | Applications     |         |                | -1.5     |
| Annals of Pure |         |             |       | Computers &      |         |                |          |
| and Applied    | 2182    | 2042        |       | Security         | 1452    | 1711           |          |
| Logic          |         |             | -6.4  |                  |         |                | 17.8     |
| Annual Reviews |         |             |       | Computers &      |         |                |          |
| in Control     | 858     | 953         |       | Structures       | 8925    | 9684           |          |
|                |         |             | 11.1  |                  |         |                | 8.5      |
| Applied and    |         |             | 1.6   | Computers and    |         |                | 17.2     |

| Computational   |      | viaaimir iv | 1. MOSKO | Electronics in   | onai Journai<br> | oj Pnarmacy & Te<br> | ecnnolog <sub>.</sub> |
|-----------------|------|-------------|----------|------------------|------------------|----------------------|-----------------------|
| _               | 557  | 5.00        |          |                  | 2277             | 2797                 |                       |
| Harmonic        | 557  | 566         |          | Agriculture      | 2377             | 2787                 |                       |
| Analysis        |      |             |          |                  |                  |                      |                       |
| Applied         |      |             |          | Computers in     |                  |                      |                       |
| Mathematical    | 2728 | 3118        |          | Biology and      | 3263             | 3740                 |                       |
| Modelling       |      |             | 14.3     | Medicine         |                  |                      | 14.6                  |
| Applied         |      |             |          | Computers in     |                  |                      |                       |
| Mathematics and | 8588 | 9540        |          | Industry         | 2021             | 2349                 |                       |
| Computation     |      |             | 1.1      |                  |                  |                      | 16.2                  |
| Applied         |      |             |          | Control          |                  |                      |                       |
| Mathematics     | 2790 | 2832        |          | Engineering      | 2712             | 3152                 |                       |
| Letters         |      |             | 1.5      | Practice         |                  |                      | 16.2                  |
| Applied         |      |             |          | Cortex           |                  |                      |                       |
| Numerical       | 3074 | 3074        | 0        |                  | 2182             | 2535                 |                       |
| Mathematics     |      |             |          |                  |                  |                      | 16.2                  |
| Applied Soft    |      |             |          | Data &           |                  |                      |                       |
| Computing       | 887  | 1058        | 19.3     | Knowledge        | 2317             | 2526                 |                       |
|                 |      |             |          | Engineering      |                  |                      | 9                     |
| Artificial      | 2864 | 2821        | -1.5     | Decision Support | 1920             | 2284                 |                       |
| Intelligence    |      |             |          | Systems          |                  |                      | 19                    |
| Artificial      |      |             |          |                  |                  |                      |                       |
| Intelligence in | 1334 | 1329        | -0.4     | Design Studies   | 1595             | 1436                 |                       |
| Medicine        |      |             |          |                  |                  |                      | -10                   |
| Automatica      |      |             |          | Differential     |                  |                      |                       |
|                 | 4119 | 4948        | 20.1     | Geometry and its | 982              | 1107                 |                       |
|                 |      |             |          | Applications     |                  |                      | 12.7                  |
| Bulletin des    |      |             |          | Digital          |                  |                      |                       |
| Sciences        | 805  | 817         | 1.5      | Investigation    | 1082             | 1269                 |                       |
| Mathématiques   |      |             |          |                  |                  |                      | 17.3                  |
| Chaos, Solitons |      |             |          | Digital Signal   |                  |                      |                       |
| & Fractals      | 4407 | 4473        | 1.5      | Processing       | 788              | 937                  | 18.9                  |
| Cognition       |      |             |          | Discrete Applied |                  |                      |                       |
|                 | 2573 | 3046        | 18.4     | Mathematics      | 3811             | 3969                 | 4.1                   |
| Cognitive       |      |             |          | Discrete         |                  |                      |                       |
| Systems         | 688  | 745         |          | Mathematics      | 4004             | 3944                 |                       |
| Research        |      |             | 8.3      |                  |                  |                      | 1.5                   |
| Communications  |      |             | 19.7     | Discrete         |                  |                      | 14.6                  |
|                 |      |             |          |                  |                  |                      |                       |

| in Nonlinear      |      | v iaaimii iv | i. Wiosko | <i>vkin*et al. /Internatio</i> Optimization | mai <b>J</b> ournai | <br> | echnolog. |
|-------------------|------|--------------|-----------|---|---------------------|------|-----------|
| Science and       | 1206 | 1444         |           | Optimization                                | 669                 | 679  |           |
| Numerical         | 1200 | 1444         |           |   | 009                 | 079  |           |
|                   |      |              |           |   |                     |      |           |
| Simulation        |      |              |           | <b>D</b> : 1                                |                     |      |           |
| Comptes Rendus    |      |              |           | Displays                                    |                     |      |           |
| Mathematique      | 1711 | 1885         | 10.2      |   | 1237                | 1418 | 12.7      |
| Computational     |      |              |           | Ecological                                  |                     |      |           |
| Geometry          | 1174 | 1192         | 1.5       | Complexity                                  | 730                 | 823  | 17.3      |
| Computational     |      |              |           | Electronic                                  |                     |      |           |
| Statistics & Data |      |              |           | Commerce                                    |                     |      |           |
| Analysis          | 3233 | 3281         |           | Research and                                | 757                 | 888  |           |
|                   |      |              | 1.5       | Applications                                |                     |      | 13.5      |
| Computer Aided    |      |              |           | Engineering                                 |                     |      |           |
| Geometric         | 1319 | 1512         |           | Analysis with                               | 3335                | 3786 |           |
| Design            |      |              |           | Boundary                                    |                     |      |           |
|                   |      |              | 14.6      | Elements                                    |                     |      | 59.3      |
| Computer          |      |              |           | Engineering                                 |                     |      |           |
| Communications    | 2880 | 3331         | 5.7       | Applications of                             | 2097                | 2448 |           |
|                   |      |              |           | Artificial                                  |                     |      |           |
|                   |      |              |           | Intelligence                                |                     |      | 14.6      |
| Computer          |      |              |           | European Journal                            |                     |      |           |
| Languages,        | 1018 | 875          | -14       | of Combinatorics                            | 1447                | 1469 |           |
| Systems and       |      |              |           |   |                     |      |           |
| Structures        |      |              |           |   |                     |      | 16.2      |
| Computer          |      |              |           | European Journal                            |                     |      |           |
| Methods in        |      |              |           | of Operational                              |                     |      |           |
| Applied           | 8717 | 7100         | -18.5     | Research                                    | 7988                | 8653 |           |
| Mechanics and     |      |              |           |   |                     |      |           |
| Engineering       |      |              |           |   |                     |      | 16,2      |
| Computer          |      |              |           | Expert Systems                              |                     |      |           |
| Networks          | 3327 | 3884         | 16.7      | with Applications                           | 4765                | 5641 | 16.2      |
| Computer          |      |              |           | Expositiones                                |                     |      |           |
| Speech and        | 730  | 861          | 17.9      | Mathematicae                                | 503                 | 511  |           |
| Language          |      |              |           |   |                     |      | 9         |
| Computer          |      |              |           | Finite Elements in                          |                     |      |           |
| Standards &       | 1604 | 1855         | 15.6      | Analysis and                                | 2702                | 3082 |           |
| Interfaces        |      |              |           | Design                                      |                     |      | 19        |

| Computer Vision   |      | v iaaimii iv | i. Wiosko  | Vkin*et al. /Internation Finite Fields and | mai sournai |      | cinolog. |
|-------------------|------|--------------|------------|--|-------------|------|----------|
| and Image         | 2123 | 2478         | 16.7       | Their                                      | 545         | 567  |          |
| Understanding     |      |              |            | Applications                               |             |      | -10      |
| Computer-Aided    | 2911 | 3383         |            | Fuzzy Sets and                             | 5505        | 5588 |          |
| Design            |      |              | 16.2       | Systems                                    |             |      | 12.7     |
| Computerized      |      |              |            | Future Generation                          |             |      |          |
| Medical Imaging   | 2575 | 2831         |            | Computer                                   | 1674        | 1973 |          |
| and Graphics      | 2373 | 2031         | 9.9        | Systems                                    | 1071        | 1775 | 17.3     |
| Games and         |      |              |            | Journal of                                 |             |      | 17.5     |
| Economic Economic | 1284 | 1506         |            | Number Theory                              | 1743        | 1770 |          |
| Behavior          | 1204 | 1300         | 17.3       | Trumber Theory                             | 1743        | 1770 | 18.9     |
| Graphical         |      |              | 17.5       | Journal of Parallel                        |             |      | 10.7     |
| Models            | 1027 | 1183         |            | and Distributed                            | 1660        | 1929 |          |
| Wiodels           | 1027 | 1103         | 15.2       |  | 1000        | 1929 | 16.2     |
| TT:               |      |              | 13.2       | Computing                                  |             |      | 10.2     |
| Historia          | 4.60 | 126          | <b>5.0</b> | Journal of                                 | 1511        | 2025 | 10.4     |
| Mathematica       | 460  | 436          | -5.2       | Pragmatics                                 | 1711        | 2025 | 18,4     |
| Image and         |      |              |            | Journal of Process                         |             |      |          |
| Vision            | 2406 | 2783         |            | Control                                    | 1993        | 2326 |          |
| Computing         |      |              | 15.7       |  |             |      | 16.7     |
| Information and   |      |              |            | Journal of Pure                            |             |      |          |
| Computation       | 1453 | 1249         |            | and Applied                                | 3042        | 2847 |          |
|                   |      |              | -14        | Algebra                                    |             |      | -6.4     |
| Information and   |      |              |            | Journal of                                 |             |      |          |
| Management        | 1385 | 1646         |            | Statistical                                | 4560        | 4001 |          |
|                   |      |              |            | Planning and                               |             |      |          |
|                   |      |              | 18.8       | Inference                                  |             |      | -12.3    |
| Information and   |      |              |            | Journal of                                 | 1005        | 1020 |          |
| Software          | 1720 | 2018         |            | Symbolic                                   |             |      |          |
| Technology        |      |              | 17.3       | Computation                                |             |      | 1.5      |
| Information       |      |              |            | Journal of                                 |             |      |          |
| Fusion            | 806  | 960          |            | Systems and                                | 3279        | 3810 |          |
|                   |      |              | 19.1       | Software                                   |             |      | 16.2     |
| Information       |      |              |            | Journal of                                 |             |      |          |
| Processing        | 2489 | 2526         |            | Systems                                    | 2121        | 2386 |          |
| Letters           |      |              | 1.5        | Architecture                               |             |      | 12.5     |
| Information       |      |              |            | Journal of The                             |             |      |          |
| Sciences          | 6614 | 7686         | 16.2       | Franklin Institute                         | 3175        | 3486 | 9.8      |
| 551011005         | 0017 | 7000         | 10.2       | Tunkini montute                            | 3173        | 3400 | 7.0      |

| T., 1            |      | Vladimir M | l. Mosko | vkin*et al. /Internatio | onal Journal<br> | of Pharmacy & Te | echnolog. |
|------------------|------|------------|----------|-------------------------|------------------|------------------|-----------|
| Indagationes     |      |            |          | Journal of the          |                  |                  |           |
| Mathematicae     | 565  | 565        |          | Korean Statistical      | 430              | 456              |           |
|                  |      |            | 0        | Society                 |                  |                  | 6         |
| Integration, the |      |            |          | Journal of Visual       |                  |                  |           |
| VLSI Journal     |      |            |          | Communication           |                  |                  |           |
|                  | 1226 | 1405       |          | and Image               | 1172             | 1375             |           |
|                  |      |            | 14.6     | Representation          |                  |                  | 17.3      |
| International    |      |            |          | Journal of Visual       |                  |                  |           |
| Journal of       | 1442 | 1463       |          | Languages and           | 780              | 910              |           |
| Approximate      |      |            |          | Computing               |                  |                  |           |
| Reasoning        |      |            | 1.5      |                         |                  |                  | 16.7      |
| International    |      |            |          | Journal of Web          |                  |                  |           |
| Journal of       |      |            |          | Semantics               |                  |                  |           |
| Critical         | 509  | 600        |          |                         | 779              | 914              |           |
| Infrastructure   |      |            |          |                         |                  |                  |           |
| Protection       |      |            | 17,9     |                         |                  |                  | 17.3      |
| International    |      |            |          | Knowledge-              |                  |                  |           |
| Journal of       | 996  | 1059       |          | Based Systems           | 1857             | 2189             |           |
| Forecasting      |      |            | 6.3      |                         |                  |                  | 17.9      |
| International    |      |            |          | Linear Algebra          |                  |                  |           |
| Journal of       |      |            |          | and its                 |                  |                  |           |
| Human-           | 3334 | 3838       |          | Applications            | 5968             | 6058             |           |
| Computer         |      |            |          |                         |                  |                  |           |
| Studies          |      |            | 15.1     |                         |                  |                  | 1.5       |
| International    |      |            |          | Mathematical            |                  |                  |           |
| Journal of Non-  | 2670 | 2307       |          | Biosciences             | 3871             | 4292             |           |
| Linear           |      |            |          |                         |                  |                  |           |
| Mechanics        |      |            | -13.6    |                         |                  |                  | 10.9      |
| Journal de       |      |            |          | Mathematical            |                  |                  |           |
| Mathématiques    |      |            |          | Social Sciences         |                  |                  |           |
| Pures et         | 1261 | 1280       |          |                         | 1783             | 1976             |           |
| Appliquées       |      |            | 1.5      |                         |                  |                  | 10.8      |
| Journal of       |      |            |          | Mathematics and         |                  |                  |           |
| Algebra          | 5314 | 5129       |          | Computers in            | 3310             | 3310             |           |
|                  |      |            | -3.5     | Simulation              |                  |                  | 0         |
| Journal of       |      |            |          | Medical Image           |                  |                  |           |
| Applied          |      |            | 1.7      | Analysis                |                  |                  | 17.8      |
|                  |      |            |          |                         | l                |                  |           |

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|------------------|------|------|----------|-------------------------|------|------|---------|
| Mathematics and  | 5606 | 5704 |          |                         | 1391 | 1639 |         |
| Mechanics        |      |      |          |                         |      |      |         |
| Journal of       |      |      |          | Neural Networks         |      |      |         |
| Approximation    | 2445 | 1992 |          |                         | 3727 | 3123 |         |
| Theory           |      |      | -18.5    |                         |      |      | -16.2   |
| Journal of       |      |      |          |                         |      |      |         |
| Combinatorial    | 1713 | 1473 |          | Neurocomputing          | 1086 | 4414 |         |
| Theory, Series A |      |      | -14.0    |                         |      |      | 306.4   |
| Journal of       |      |      |          | Nonlinear               |      |      |         |
| Combinatorial    | 663  | 673  |          | Analysis: Hybrid        | 1119 | 1295 |         |
| Theory, Series B |      |      | 1.5      | Systems                 |      |      | 15.7    |
| Journal of       |      |      |          | Nonlinear               |      |      |         |
| Complexity       | 887  | 989  |          | Analysis: Real          | 1481 | 1678 |         |
|                  |      |      |          | World                   |      |      |         |
|                  |      |      | 11.5     | Applications            |      |      | 13.3    |
| Journal of       |      |      |          | Ocean Modelling         |      |      |         |
| Computational    |      |      |          |                         |      |      |         |
| and Applied      | 6760 | 7402 |          |                         | 575  | 1171 |         |
| Mathematics      |      |      | 9.5      |                         |      |      | 103.7   |
| Journal of       |      |      |          | Operations              |      |      |         |
| Computational    | 907  | 1064 |          | Research Letters        | 1159 | 1353 |         |
| Science          |      |      | 17.3     |                         |      |      | 16.7    |
| Journal of       |      |      |          | Optical Switching       |      |      |         |
| Computer and     | 1585 | 1609 |          | and Networking          | 3540 | 668  |         |
| System Sciences  |      |      | 1.5      |                         |      |      | -81.1   |
| Journal of       |      |      |          | Parallel                |      |      |         |
| Differential     | 4732 | 4661 |          | Computing               | 2220 | 2253 |         |
| Equations        |      |      | -1.5     |                         |      |      | 1.5     |
| Journal of       |      |      |          | Pattern                 |      |      |         |
| Econometrics     | 4415 | 5001 |          | Recognition             | 4786 | 5588 |         |
|                  |      |      | 13.3     |                         |      |      | 16.8    |
| Journal of       |      |      |          | Pattern                 |      |      |         |
| Economic         | 2682 | 3103 |          | Recognition             | 3475 | 4038 |         |
| Dynamics and     |      |      |          | Letters                 |      |      |         |
| Control          |      |      | 15.7     |                         |      |      | 16.2    |
| Journal of       |      |      |          | Performance             |      |      |         |
| Functional       | 3073 | 3027 | -1.5     | Evaluation              | 2581 | 2595 | 0.5     |
|                  |      |      |          |                         |      |      |         |

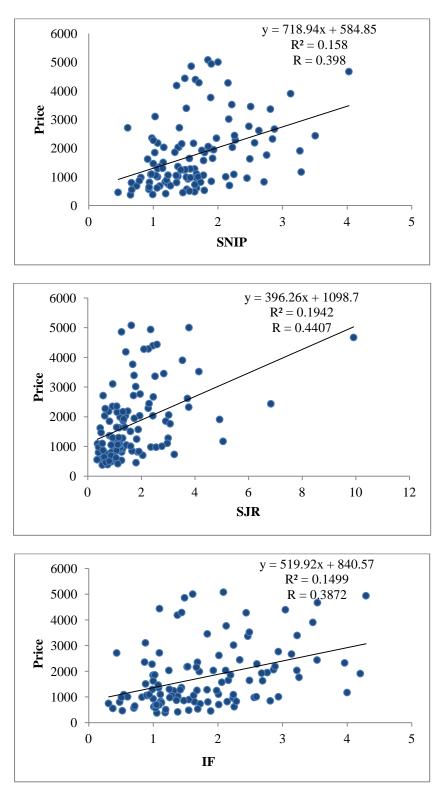
|                    |      | v taatmii 1v | i. Wiosko | vkin*et al. /Internatio | onai Journai | οј Επανπάζу & Γε | cnnoiog <sub>.</sub> |
|--------------------|------|--------------|-----------|-------------------------|--------------|------------------|----------------------|
| Analysis           |      |              |           |                         |              |                  |                      |
| Journal of         |      |              |           | Pervasive and           |              |                  |                      |
| Geometry and       | 1919 | 1737         |           | Mobile                  | 956          | 1127             |                      |
| Physics            |      |              | -9.5      | Computing               |              |                  | 17.9                 |
| Journal of         |      |              |           | Review of               |              |                  |                      |
| Manufacturing      | 992  | 1088         |           | Economic                | 830          | 973              |                      |
| Systems            |      |              | 9.7       | Dynamics                |              |                  | 17.2                 |
| Journal of         |      |              |           | Robotics and            |              |                  |                      |
| Mathematical       |      |              |           | Autonomous              |              |                  |                      |
| Analysis and       | 9433 | 10582        |           | Systems                 | 2355         | 2391             |                      |
| Applications       |      |              | 12.2      |                         |              |                  | 1.5                  |
| Journal of         |      |              |           | Science of              |              |                  |                      |
| Mathematical       | 2399 | 2710         |           | Computer                | 1556         | 1580             |                      |
| Economics          |      |              | 13        | Programming             |              |                  | 1.5                  |
| Journal of         |      |              |           | Signal Processing       |              |                  |                      |
| Multivariate       | 1937 | 2018         |           |                         | 4936         | 5683             |                      |
| Analysis           |      |              | 4.2       |                         |              |                  | 15.1                 |
| Journal of         |      |              |           | Signal                  |              |                  |                      |
| Network and        | 1308 | 1579         |           | Processing: Image       | 1663         | 1923             |                      |
| Computer           |      |              |           | Communication           |              |                  |                      |
| Applications       |      |              | 20.7      |                         |              |                  | 15.6                 |
| Spatial Statistics |      |              |           | Simulation              |              |                  |                      |
|                    | 738  | 866          |           | Modelling               | 1550         | 1755             |                      |
|                    |      |              |           | Practice and            |              |                  |                      |
|                    |      |              | 17.3      | Theory                  |              |                  | 13.2                 |
| Speech             |      |              |           | Theoretical             |              |                  |                      |
| Communication      | 2181 | 2435         | 11.6      | Computer Science        | 5564         | 5481             | -1.5                 |
| Statistics &       |      |              |           | Topology and its        |              |                  |                      |
| Probability        | 3075 | 3203         |           | Applications            | 3095         | 3141             |                      |
| Letters            |      |              | 4.2       |                         |              |                  | 1.5                  |
| Stochastic         |      |              |           | Telematics and          |              |                  |                      |
| Processes and      | 1576 | 1751         |           | Informatics             | 1657         | 1899             |                      |
| their              |      |              |           |                         |              |                  |                      |
| Applications       |      |              | 11.1      |                         |              |                  | 14.6                 |
| L                  |      |              |           | 1                       | 1            | 1                |                      |

Figures 1 and 2 show the points of the field, and linear regression relationship between journal metrics and the subscription price for the first and the second aggregated subject areas of journals (further we'll call it as group 1 and

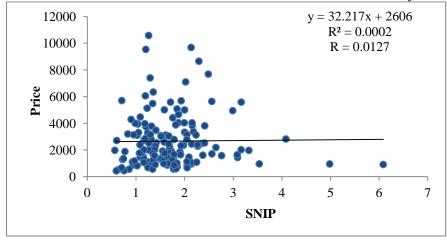
group 2). In both cases, the best values of the Pearson correlation coefficient were for the dependence between the SJR and the subscription price (Figure 1, 2). Correlation coefficients for all three journal metrics for the second group of journals (Figure 2) were significantly lower than for the first group of journals (Figure 1). Due to the fact, that the

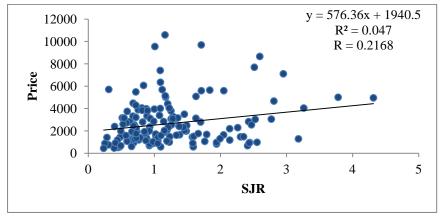
The lack of strong correlations between journal metrics and the subscription price on the market of scientific periodicals depends on that that, that this market is not elastic and highly monopolized.

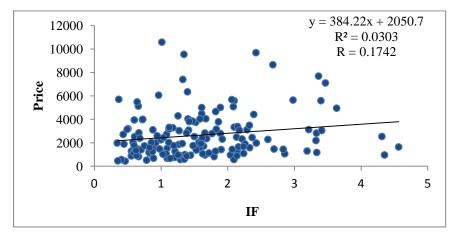
sales of Mathematics and Computer Science journals are less commercialized than sales of Economics journals.



**Figure 1.** Regression relationships between journal metrics and the subscription price for the first group of journals







**Figure 2.** Regression relationships between journal metrics and the subscription price for the second group of journals

Based on the Table 3 and 4, the average subscription prices for both groups of journals were calculated, and based on their values, their growth was calculated.

**Table 5:** Calculation of average annual growth of the subscription price for both groups of journals.

| Journal's Group    | Average  | Average      | Growth, % | Annual Growth, |
|--------------------|----------|--------------|-----------|----------------|
|                    | Price,   | Price,       |           | %              |
|                    | May 2015 | October 2016 |           |                |
| Journals within    |          |              |           |                |
| Economics, Finance |          |              |           |                |

|                    |        |        |      | <u> </u> |
|--------------------|--------|--------|------|----------|
| Business,          | 1534.4 | 1766.3 | 15.1 | 10.9     |
| Management and     |        |        |      |          |
| Accounting (114)   |        |        |      |          |
| Journals           |        |        |      |          |
| within Mathematics | 2472.8 | 2660.7 | 7.6  | 5.5      |
| and Computer       |        |        |      |          |
| Science (150)      |        |        |      |          |

Recalculation of this growth on an annual time interval has been done on the basis of interval of 500 days between the data collection of the subscription prices, provided that they will increase evenly, during the research period. For example, for the first group of journals we put: (15.1\*360)/500 = 10.9

As we can see, the growth of the subscription prices on more commercialized market of Economics journals is bigger in two times than on less commercialized market of Mathematics and Computer Science journals.

## Conclusion.

The correlation analysis between journal metrics values (SNIP, SJR, IF) and their subscription price of the two group of journals (114 Economics Journals and 150 Mathematics and Computer Science Journals), presented on Elsevier web site in October 2016 have given us the following results.

- For both groups, the best values of Pearson correlation coefficient was observed between SJR and the subscription price.
- 2. Correlation coefficients for all three journal metrics of the second group of journals were significantly lower that at the first group of journals due to the fact that sales of Mathematics and Computer Science journals are less commercialized comparing with the sales of Economics journals.
- 3. The lack of strong correlations between journal metrics and subscription price on the market of scientific periodicals is in total due to the fact that this market is not elastic and over monopolized.

Also it was a conclusion that the growth of the subscription price on the more commercialized market of Economics Journals is approximately twice bigger than on the less commercialized market of Mathematics and Computer Science journals.

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