

# **COMPUTER SCIENCE REVIEW**

# **AUTHOR INFORMATION PACK**

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**ISSN:** 1574-0137

# DESCRIPTION

*Computer Science Review* publishes research surveys and expository overviews of open problems in computer science.

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All articles are aimed at a general computer science audience seeking a full and expert overview of the latest developments across computer science research.

Articles from other fields are welcome, as long as their content is relevant to and has impact on the development of computer science. In particular, articles that review the application of well-known Computer Science methods to other areas are in scope only if these articles advance the fundamental understanding of those methods.

Contributing authors are expected to be recognized experts in the areas that they survey, have a significant publication record in the specific domain and the experience to provide a clear and well-balanced treatment of the subject.

# **IMPACT FACTOR**

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# ABSTRACTING AND INDEXING

Zentralblatt MATH Scopus Science Citation Index Expanded INSPEC

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•Introduction, including motivation and historical remarks

•Outline of the Survey

•Basic concepts, definitions of key problems, examples, and a review of known results (with sketches of the proofs), or a review of existing approaches to the stated problems

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•Open problems

•Comprehensive bibliography

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[1] J. van der Geer, J.A.J. Hanraads, R.A. Lupton, The art of writing a scientific article, J. Sci. Commun. 163 (2010) 51–59. https://doi.org/10.1016/j.Sc.2010.00372.

Reference to a journal publication with an article number:

[2] J. van der Geer, J.A.J. Hanraads, R.A. Lupton, 2018. The art of writing a scientific article. Heliyon. 19, e00205. https://doi.org/10.1016/j.heliyon.2018.e00205.

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[3] W. Strunk Jr., E.B. White, The Elements of Style, fourth ed., Longman, New York, 2000. Reference to a chapter in an edited book:

[4] G.R. Mettam, L.B. Adams, How to prepare an electronic version of your article, in: B.S. Jones, R.Z. Smith (Eds.), Introduction to the Electronic Age, E-Publishing Inc., New York, 2009, pp. 281–304. Reference to a website:

[5] Cancer Research UK, Cancer statistics reports for the UK. http://www.cancerresearchuk.org/ aboutcancer/statistics/cancerstatsreport/, 2003 (accessed 13 March 2003).

Reference to a dataset:

[dataset] [6] M. Oguro, S. Imahiro, S. Saito, T. Nakashizuka, Mortality data for Japanese oak wilt disease and surrounding forest compositions, Mendeley Data, v1, 2015. https://doi.org/10.17632/xwj98nb39r.1.

Reference to software:

[7] E. Coon, M. Berndt, A. Jan, D. Svyatsky, A. Atchley, E. Kikinzon, D. Harp, G. Manzini, E. Shelef, K. Lipnikov, R. Garimella, C. Xu, D. Moulton, S. Karra, S. Painter, E. Jafarov, S. Molins, Advanced Terrestrial Simulator (ATS) v0.88 (Version 0.88), Zenodo, March 25, 2020. https://doi.org/10.5281/ zenodo.3727209.

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