

Guidelines for Authors

Because of the success of the first edition of this Encyclopedia, which appeared in 2008 both in print and online, its entries have been published on a new “live” platform entitled SpringerReference.com.

We cordially invite you to contribute to this second edition. Please visit the above project website using the credentials contained in the main body of the invitation email and update your contact details (affiliation, city, state, country). This contact information will also be displayed next to your entry.

If you have any questions, please don't hesitate to contact me, Sylvia Blago, at the address below.

1. Manuscript Submission

If your entry was already published in the previous edition, you will find the content of the entry on the project website after logging in. You can update the entry simply by clicking the relevant buttons and typing directly in the Online Editor. Authors of newly added entries can also use this method to compose their entry. Alternatively, all authors have the option of submitting their new manuscript as files through the project website. These submission methods are described in detail in the attached Technical Guidelines.

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For further instructions on submission methods, please see the “**Technical Guidelines for Authors**”.

The content of this project may be harvested at regular intervals to create a static edition for publication in print.

2. Formatting

Do not worry about the final layout, which will be performed by Springer.

Please do not use footnotes.

If you choose file upload, we suggest using LaTeX to write your entry. For this purpose, we provide a **LaTeX template** which you can download from the project website (<http://refworks.springer.com/Algorithms>) and is also provided in the invitation mail as attachment. If you use LaTeX, please also upload a pdf file of your entry.

3. Structure of Entries

Your entry should contain approximately 300-1,500 words plus tables and figures. This translates to 1-4 typeset pages.

All entries have the same specific structure as detailed below. Please use this structure to compose your entry to ensure homogeneity throughout this multi-author project. There may be some cases where the structure does not readily suit your topic, but structural consistency is essential, so do not deviate from the structure. In particular, do not change the main section headings, which are highlighted in red below. You are, however, free to add sub-headings within the main section headings provided.

The structure of the entries is:

Entry Title

(Note: Use one continuous line.)

Names and Affiliations of Entry Authors

(Note: Insert the names, affiliations, and addresses of the entry authors.)

Years and Authors of Summarized Original Work

Year of paper; last names of paper authors separated by commas without using “and”

(Note: Use one continuous line for each paper. Use semicolon to separate the year from the last names.)

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(Note: This section is required. Separate the key words with semicolon.)

Problem Definition

(Note: This section is required.)

Key Results

(Note: This section is required.)

Applications

(Note: This section is optional.)

Open Problems

(Note: This section is optional.)

Experimental Results

(Note: This section is optional.)

URLs to Code and Data Sets

(Note: This section is optional.)

Cross-References

(Note: Insert the titles of all related entries of this Encyclopedia. Use one line for each title. The list of entry titles can be downloaded as a pdf file from the overview page of this Encyclopedia on SpringerReference.)

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(Note: This section is required. For LaTeX, please use the BibTex style `\bibliographystyle{spbasic}`.)

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5. Figures

Illustrations are welcome. Please consult the guide to submissions in the Technical Guidelines for details of uploading such materials. Supported formats for figures when working online are JPG, PNG and GIF. You can upload graphics files directly to the project website. If you are writing a new entry, you can submit figures in any common formats, which will be converted by Springer to preferred formats.

In order that we are able also to print the figures, please use the highest quality versions possible of such materials.

If you want to use figures from sources other than this Encyclopedia, you will have to request permission to use them. Please use the permission form which you can find as an attachment in the invitation email. You can also download the form from the project website. Please send the form to the publishing house concerned. After you have permission, you also need to indicate the source in the figure legend.

6. Recommended Reading

Please provide at least 5 references and up to 15, pointing the reader to key literature, such as the journal or conference publication that originally defined the algorithmic problem of your entry, key relevant articles in journals or conference proceedings, and useful websites. Within the text, please cite references as numbers, e.g., [1, 3]. Provide the full information of each reference and use the following style:

1. Agarwal PK, Har-Peled S, Mustafa NH, and Wang Y (2005) Near-Linear Time Approximation Algorithms for Curve Simplification. *Algorithmica* 42(3-4):203-219.
2. Skiena SS. *The Algorithm Design Manual*. Springer-Verlag, New York, 1998.
3. Akcoglu K, Aspnes J, DasGupta B, and Kao M-Y. Opportunity cost algorithms for combinatorial auctions. In Kontogiorghe EJ, Rustem B, and Siokos S (eds) *Applied Optimization 74: Computational Methods in Decision-Making, Economics and Finance*. Kluwer Academic Publishers, Dordrecht, 2002, pp 455–479.

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American English spelling should be used throughout your entry. Please use whole sentences when writing your text. Avoid colloquial language as well as unnecessary non-English words. Names, terms, abbreviations, etc. should be spelled consistently throughout the whole text including figures and tables. Explain all the acronyms and abbreviations you use in your entry.

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