

Legal requirements

The author(s) guarantee(s) that the manuscript will not be published elsewhere in any language without the consent of the copyright owners, that the rights of third parties will not be violated, and that the publisher will not be held legally responsible should there be any claims for compensation. Authors wishing to include figures or text passages that have already been published elsewhere are required to obtain permission from the copyright owner(s) and to include evidence that such permission has been granted when submitting their papers. Any material received without such evidence will be assumed to originate from the authors. Manuscripts must be accompanied by the "Copyright Transfer Statement". The form is regularly published in this journal or can be obtained from <http://link.springer.de>.

Editorial procedure

Manuscripts should be submitted in English, in quadruple to one of the Editors-in-Chief or to the Managing editor (for addresses see cover page A2). Please be sure to include your e-mail address and your fax number. The manuscripts and the figures will not normally be returned, unless specifically requested by the authors. Please do not transmit electronic data to the publisher until your manuscript has been reviewed and accepted for publication. Please follow the instructions below.

Manuscript preparation

General remarks

To help you prepare your manuscript, Springer offers a template that can be used with Winword 7 (Windows 98), Winword 6 and Word for Macintosh. For details see **Electronic Submission of final version**.

Manuscripts should be typed in double-line spacing throughout on one side of the paper only and with at least 2.5 cm (1 inch) margins.

Title page

- A concise and informative title
- The name(s) of the author(s)
- The affiliation(s) and address(es) of the author(s)
- The e-mail address, telephone and fax numbers of the communicating author

A list of **symbols** should follow the abstract if such a list is needed.

Symbols must be written clearly. The numbering of chapters should be in decimal form.

The international system of units (SI units) should be used. In mathematical expressions, the proper hierarchy of parentheses $\{ \{ () \} \}$ is to be observed. Vectors should be denoted by bold face lower case letters, and matrices or tensors by bold face capital letters.

Abstract. Each paper must be preceded by an abstract presenting the most important results and conclusions.

Formulae and symbols

These must be written legibly and will be typeset in italics. They should be written or marked as such in the manuscript unless they require different styling. Please use correct designations for standardized DIN regulations.

Footnotes. *Essential footnotes* to the text should be numbered consecutively and placed at the bottom of the page to which they refer.

Footnotes on the title page are not given reference symbols. Footnotes to the text are numbered consecutively; those to tables should be indicated by superscript lower-case letters (or asterisks for significance values and other statistical data).

Introduction. The *Introduction* should state the purpose of the investigation and give a short review of the pertinent literature (max. one printed page).

Acknowledgements. These should be as brief as possible. Any grant that requires acknowledgement should be mentioned. The names of funding organizations should be written in full.

Appendices. If there is more than one appendix, they should be numbered consecutively. Equations in appendices should be designated differently from those in the main body of the paper, e.g. (A1), (A2) etc. In each appendix equations should be numbered separately.

References

The list of References should only include works that are cited in the text and that have been published or accepted for publication. Personal communications should only be mentioned in the text. In the text, references should be cited by author and year (e.g. Hammer 1994; Hammer and Sjöqvist 1995; Hammer et al. 1993) and listed in alphabetical order in the reference list (abbreviated as in the "Bibliographic Guide for Editors and Authors" published by the American Chemical Society). Papers which have been accepted for publication should be included in the list of references with the name of the journal and "in press". If available the Digital Object Identifier (DOI) of the cited literature should be added at the end of the reference in question. The author is responsible for the accuracy of the references. Examples:

Journal articles

Grissom LE, Harcke HT (1997) Ultrasonography of nondevelopmental dysplasia of the hips. *Pediatr Radiol* 27: 70-74

Please do not use colours for mark-up.

Desired type	Examples
roman	$E', \nabla, \int, \Pi, \Sigma$, div. ad, arg, Coker, cos, cosh, cot (or ctg), coth, det, dim, exp. GL, hom, Im, Inf, ker, lim, inf, lim sup, ln, log, lub, max, min, mod, P, PL, Re, sin, sinh, SL, tan, tanh, tr, wr.
bold roman	matrices of variable order (also column and line vectors), e.g. K, V, P, matrix of solution trials
bold italics	function fields C^K , vector fields R^N , euclidian vectors, e.g. power vector F
<i>Mark-up code:</i>	
<u> </u> italics	straight underline (in: text, tables, not in eqs.)
<u>~~~~~</u> bold	wavy underline (in: text, eqs., tables)
<u>~~~~~</u> bold italics	wavy and straight underline (in: text, eqs., tables)
○ roman	circle round
	Letters which require an underline when typeset should be highlighted and denoted in the margin by u.l.

Dyall KG (1998) Relative and non-relative finite nucleus optimized double zeta basis sets for the elements. *Theor Chem Acc* 99: 366-371 DOI 10.10007/s002149800025
 Dyall KG (in press) Relative and nonrelative finite nucleus optimized double zeta basis sets for the elements. *Theor Chem Acc* DOI 10.10007/s002149800025

Books

Larcher W (1995) *Physiological plant ecology*, 3rd edn. Springer, Berlin Heidelberg New York

Multiauthor books

Hovind HJ (1986) Traumatic birth injuries. In: Raimondi AJ, Choux M, Di Rocco C (eds) *Head injuries in the newborn and infant. (Principles of pediatric neurosurgery)* Springer, Berlin Heidelberg New York, pp 87-109

Illustrations and Tables

All figures (photographs, graphs or diagrams) and tables should be cited in the text, and each numbered consecutively throughout. The placement of figures and tables should be indicated in the left margin. For submission of figures in electronic form see below.

Line drawings. Please submit good-quality prints. The inscriptions should be clearly legible.

Half-tone illustrations (black and white and color). Please submit well-contrasted photographic prints with the top indicated on the back. *Magnification* should be indicated by *scale bars*.

Plates. Several figures or figure parts should be grouped in a plate on one page.

Size of figures. The figures should either match the width of the column (8,7 cm) or be 13,1 cm or 17,7 cm wide. The maximum length is 24,4 cm.

Figure legends. Figure legends must be brief, self-sufficient explanations of the illustrations. The legends should be placed at the end of the text.

Tables. Tables should have a title and a legend explaining any abbreviation used in that table. Footnotes to tables should be indicated by superscript lower-case letters (or asterisks for significance values and other statistical data).

Color illustrations. For color illustrations the authors will be expected to make a contribution (€ 485 or US \$ 475, plus 16% VAT) towards the extra costs irrespective of the number of color figures.

Electronic submission of final version

Please send only the final version of the article, as accepted by the editors.

Preparing your manuscript

Text

The template is available:

* via ftp:

Address: ftp.springer.de/
User ID: ftp
Password: your own e-mail address
– Directory: /pub/word
– file names: sv-journ.zip or sv-journ.doc and sv-journ.dot

* via browser:

– ftp://ftp.springer.de/pub/Word/journals
– file names: sv-journ.zip or sv-journ.doc and sv-journ.dot

Layout guidelines

1. Use a normal, plain font (e.g., Times Roman) for text.
Other style options:
– for textual emphasis use italic types.
– for special purposes, such as for mathematical vectors, use boldface type.
2. Use the automatic page numbering function to number the pages.
3. Do not use field functions.
4. For indents use tab stops or other commands, not the space bar.
5. Use the table functions of your word processing program, not spreadsheets, to make tables.
6. Use the equation editor of your word processing program or MathType for equations.

7. Place any figure legends or tables at the end of the manuscript.
8. Submit all figures as separate files and do not integrate them within the text.

Data formats

Save your work in two versions:

1. Word compatible Word 95/97
2. In RTF (Rich Text Format).

Illustrations

The preferred figure formats are EPS for vector graphics exported from a drawing program and TIFF for halftone illustrations. EPS files must always contain a preview in TIFF of the figure. The file name (one file for each figure) should include the figure number. Figure legends should be included in the text and not in the figure file.

- *Scan resolution:* Scanned line drawings should be digitized with a minimum resolution of 800 dpi relative to the final figure size. For digital halftones, 300 dpi is usually sufficient.
- *Color illustrations:* Store color illustrations as RGB (8 bits per channel) in TIFF format.
- *Vector graphics:* Fonts used in the vector graphics must be included. Please do not draw with hairlines. The minimum line width is 0.2 mm (i.e., 0.567 pt) relative to the final size.

General information on data delivery

Please send your data, preferably a zip file (text and illustrations in separate files, unencoded) to one of the Editors-in-Chief on any of the following media:

- On a diskette [you may use .tar, .zip, .gzip (.gz), .sit, and compress (.Z)]
- On a ZIP cartridge
- On a CD-ROM

In case you have not sent electronic files of your article together with the accepted version, you should send your data, preferably a zip file (text and illustrations in separate files, unencoded) to Springer-Verlag either:

* Via ftp.springer.de (to our ftp.server; log-in “anonymous”; password: your e-mail address; further information in the readme file on the server)
* or by e-mail (only suitable for small volumes of data)

Please always supply the following information with your data: journal title, manuscript number, operating system, word processing program, drawing program, image processing program, compression program.

The file name should be memorable (e.g., author name), have no more than 8 characters, and include no accents or special symbols. Use only the extensions that the program assigns automatically.

Proofreading

Proofreading is the responsibility of the author. Corrections should be clear; standard correction marks should be used. Corrections that lead to change in the page layout should be avoided. The author is entitled to formal corrections only. Substantial changes in content, e.g. new results, corrected values, title and authorship are not allowed without the approval of the responsible editor. In such a case please contact the Editor-in-Chief or the Managing Editor before returning the proofs to the publisher.

Offprints, Free copy

Offprints are available at cost price, provided the order form is returned together with the corrected page proofs. When you order offprints, you are entitled to receive in addition a pdf file of your article for your own personal use. The communicating author of each paper will receive 1 free copy for each author.

Page charges

Page charges will not be applied for publication in this journal.



<http://www.springer.com/journal/542>

Microsystem Technologies

Micro- and Nanosystems Information Storage and
Processing Systems

Editors-in-Chief: Bhushan, B.

ISSN: 0946-7076 (print version)

ISSN: 1432-1858 (electronic version)

Journal no. 542