

INFORMATION FOR AUTHORS

The International Journal of Fluid Power welcomes original and previously-unpublished research and review papers describing results of research, which are relevant to fluid power technology. All papers are subject to rigorous, fair and efficient peer review. Please follow these guidelines carefully.

Preparation of manuscript

1. The language of the journal is English and the preferred spellings are those of the Oxford English Dictionary. (e.g., "modelling" instead of "modeling")
2. Papers should be written in the third person in an objective, formal and impersonal style.
3. SI units should be used wherever possible, as recommended in ISO 1000.
4. Symbols for physical quantities must be in italic type. Mathematical operators, constants and symbols for units should be in roman (upright) type. Vectors should be in bold italic type and matrices in bold upright type. Subscripts should be in roman (upright) type.
5. Manuscripts should be typed with single spacing in one or two columns throughout the text (including references). The recommended text font is Times New Roman, size 10 pt.
6. The body of the paper should be organized into logical sections, sequentially numbered with no more than two grades of subheadings.
7. Equations should be numbered consecutively throughout the text with the numbering in parentheses to the right of the equation. The word "equation" should be shortened by "Eq." when used in the text, except at the beginning of a sentence.

For example an equation should look like this:

$$T_c = T_m \sin(\theta_m - \beta_1) \quad (8)$$

The maximum length of equations is 7 cm, others must be separated by line feed. Keep sure, that the superscripts and subscripts are formatted in roman types.

8. Tables have a headline in upright type (font size 10 pt) and should be numbered consecutively throughout the text. (e.g., "As illustrated in Table 4 the...")
9. Illustrations have subtitles in italic type (font size 9 pt) and should also be numbered consecutively throughout the text. The word "figure" is shortened by "Fig.", except at the beginning of a sentence. (e.g., "As shown in Fig. 3 and...")
10. References in the text should be indicated by author's name followed by year of publication in parentheses, e.g. Dorey (1988) or (Dorey, 1988).
11. The preferred order of contents is as follows:
 - Title of paper
 - Author(s) name(s) and business address(es)
 - Abstract of not more than 200 words: covering the aims of the work, methods used, results obtained and conclusions reached
 - Keywords
 - Body of the paper
 - List of notations, in alphabetical order, defining all symbols used in the paper
 - Acknowledgements
 - References in alphabetical order. References should be given in the following form:

Dorey, R. 1988. Modelling of losses in pumps and motors, *1st Bath International Fluid Power Workshop*. University of Bath, UK.

Dowd, J. R. and **Barwell, F. T.** 1974. Tribological interaction between piston and cylinder of a model

high pressure hydraulic pump. *Transactions ASLE*, Vol. 18, pp. 21-30.

Romanchuk, B. G. 1995. *Input-Output Analysis of Feedback Loops with Saturation Nonlinearities*. PhD thesis. Cambridge University.

Thoma, J. 1970. *Modern Oilhydraulic Engineering*. Trade & Technical Press LTD.

12. Length: Manuscripts should not exceed 5000 words and 10 illustrations.

Submission of manuscript

Papers must be sent in electronic form. Text files should be submitted as a master copy including all figures, tables, each appendix, nomenclature, references, etc. in Microsoft Word format. Illustrations must be also submitted in a separate file. For illustrations the following formats are acceptable:

- vector graphic: encapsulated postscript (eps), windows meta files (wmf); designer (dsf); corel draw (cdr) or
- bitmap: (tif or jpg) with not less than 300 dpi

Please use CMYK-Color-System for colored figures and take care for a good quality of your figures, do not use too thin lines (at least 0.5 pt) or too small fonts in your figures. While creating plots with tools like MATLAB, use 2 pt for line thickness.

Authors are requested to submit their manuscripts together with the following items:

- Scanned portrait photo of all authors in jpg or tif graphics format (size of the photo: nearly 200 x 240 points (pixel)). The photo can be in colour.
- Short description of career and affiliation of all authors (use Microsoft Word format). The curriculum vitae should not exceed 60 words.

Papers may be submitted either on a CD, which should be sent to the Editor-in-Chief Professor Monika Ivantysynova, Purdue University, Agricultural and Biological Engineering, 225 South University Street, West Lafayette, IN 47907, USA or by email (Mivantys@purdue.edu).

In case of joint authors it must be made clear to whom correspondence and proofs are to be directed.

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