Authors Instructions for Proceedings of ISIFSM2K

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ABSTRACT The present chapter is to show you an actual formatted sample. Please try to follow this sample as best you can.

0.1 Page Dimensions

This sample shows a 6 1/8 x 9 1/4 inches trim size (width by height). To properly fill the 6 1/8 x 9 1/4 size with type, the text area of a book should be 27 picas wide by 45 picas deep (4 1/2 x 7 1/2 inches). A running head with folio will increase that to a type area of 27 picas by 47 picas (41/2 x 7 3/4 inches) or 19.7 cm x 11.4 cm.

0.2 Facing Pages

Facing pages (even and odd pages across a spread) should align across the top and the bottom. You may insert extra space above text headings, or around figures, tables, displays, and equations to make the pages align. Never insert extra space below text headings; that spacing must always remain consistent. NEVER change the spacing between lines of type in text ("leading"). Always keep the extra spacing proportional across the spread, that is try to insert equal amount of space around all similar items shown on the facing pages.

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0.3 Fonts and Font Size

We strongly encourage the use of a standard serif font such as Times Roman. The use of a sans serif font should not be used for the main body of the text. Avoid the mixing of several fonts merely for aesthetic purposes. Simplicity is best. If possible, use italic type instead of underlining. Use boldface type only when absolutely necessary. Ten-point type with twelve points of leading is standard in the production of scientific, technical, and medical publications, and is perfectly readable. Paragraph indents should be 1 pica (1/6 inch).

0.4 Sections

Text headings should convey the order and structure of the text merely by their typographical characteristics. Text begins below, flush left. Type size for the heading is 14 points on 16 points leading. The space above the heading measured from baseline to baseline is 36 points or three line spaces; below the head the spacing is 24 points or two line spaces.

0.4.1 Subsections

Italic. Text begins below, flush left. Type size for the heading is 12 points on 14 points leading. The space above the heading measured from baseline to baseline is 30 points or two and one-half line spaces; below the head the spacing is 18 points or one and one-half line spaces.

Subsubsections

Text begins below, flush left. Type size for the heading is 10 points on 12 points leading. The space above the heading measured from baseline to baseline is 24 points or two line spaces; below the head the spacing is 18 points or one and one-half line spaces.

0.5 Illustrations and Figures

llustrations should be centered on the page horizontally and be positioned at the top of the text area. Figures may be stacked one upon another and, if they are narrow enough and of equal height, placed side by side. A figure at the bottom of a page is acceptable, but avoid placing a figure between two blocks of text. Figures should be placed as closely as possible to their text citations.

Figures should be sized economically, but areas of interest should be clearly visible. Labels on figures should not be smaller than 7 points or larger than 9 points on the final printed page. Figure width should be kept within the 27-pica column width; however, 30 picas width is acceptable if absolutely necessary; alert Birkhauser Boston if dimensions are violated anywhere in the book. Some figures may have to be turned, but this should be avoided whenever possible.

Captions should be set in 9-point type on 11-point leading across the full width of the column. A caption shorter than the column width should be centered. The word Figure itself can be typed as "FIGURE" or "Figure," but be consistent. Figures should be numbered, but keep the numbering system as simple as possible.

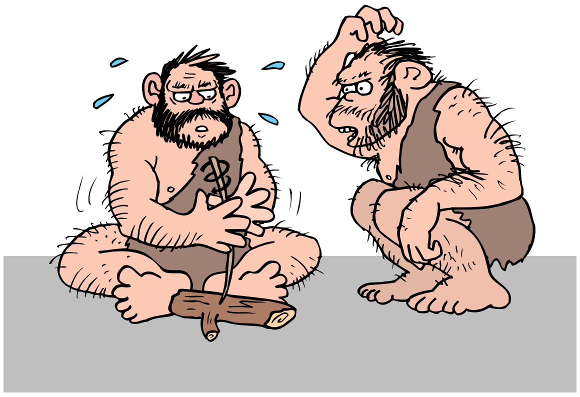

FIGURE 1. "Grunt – If estimate of friction coefficient correct, should have fire by now."

0.6 Tables

Tables should be positioned on the page like figures. Captions for tables should appear at the top of the table. Other rules for table captions follow the Figure guidelines. The type for tables should be 8 on 10 or 9 on 11 points depending on the size of the table, with any footnotes to the table 1 point smaller than the table type and appearing at the bottom of the table.

0.7 Equations

$$i\phi = \cos\phi + i\sin\phi \tag{1}$$

Sometimes we have more than one equation that is numbered and we want to keep them together:

$$i\phi = \cos\phi + i\sin\phi \tag{2}$$
$$i\alpha = \cos\phi + i\sin\alpha \tag{3}$$
$$i\beta = \cos\phi + i\sin\beta \tag{4}$$

At other times the equations have a number and a letter:

$$i\phi = \cos\phi + i\sin\phi \tag{5a}$$
$$i\alpha = \cos\phi + i\sin\alpha \tag{5b}$$
$$i\beta = \cos\phi + i\sin\beta \tag{5c}$$

0.8 Footnotes

Footnotes should appear on the bottom of the page where they are cited. They should be typed in 9-point type on 11-point leading across the full width of the column, flush left. A rule of 5 1/2-pica length should be set above the first footnote to appear on the page; at least 1 pica of space should be between that rule and the last line of text. Footnotes should be numbered.

0.9 References

[1] Popp, K. and Stelter, P., Stick-Slip Vibrations and Chaos, *Philosophical Transactions of the Royal Society of London, Series A* 332, 89-105, 1990.

[2] Panagiotopoulos, P. D., *Inequality Problems in Mechanics and Applications*, Birkhauser, Boston, 1985.

[3] Ruina, A., Constitutive Relations for Frictional Slip, *Mechanics of Geomaterials*, Z. Bazant, ed., Wiley, New York, 1985, 169-187.

[4] Blackowiak, A. D., Rand, R. H., Kaplan, H., The Dynamics of a Celt with Second-Order Averaging and Computer Algebra, *Proceedings of the 1997 ASME Design Engineering Technical Conferences*, Sacramento, September 14-17, 1997, 1-10.