

# Instructions for authors (title - 14 point Times New Roman, bold, centred)

E C Chirwa\*, P Morrison and R Parravani\*\* (12 point Times roman centred)

\*Automotive Engineering, School of Engineering, University of Bolton, Deane Road, Bolton BL3 5AB, UK

\*\*Woodhead Publishing Ltd, Abington Hall, Abington, Cambridge CB1 6AH, UK (9 point Times roman centred)

**Abstract** - The abstract should be set in 9 point, be preceded by the word 'Abstract' in bold and be not more than 150 words.

A soft copy of each paper should be submitted with photographs, figures and tables in place. Please use MS Word for Windows. Please send by e-mail to: [icrash2016@crashengineering.com](mailto:icrash2016@crashengineering.com)

**Keywords:** up to six

## NOTATION

<i>a</i>	length
<i>b</i>	width
<i>W</i>	work done
<i>m</i>	Poisson's ratio
<i>s</i>	stress
<i>r</i>	density
<i>s</i>	strain

(A list of notation used in the paper should be provided at the beginning of the main text, following the abstract. All symbols should be in italic and the entire list set in 9 point.)

## SECTION HEADING (main heading)

Main headings should be in capital letters, set in 12 point bold and have one line space above and one line space below. The body text should be set in 11 point, left and right justified.

## Length of papers (sub-heading)

(Sub-headings are set in 12 point bold with an initial capital on the first word only and a line space above and below.) Papers should be written simply and concisely and should in general be between 3000 and 4000 words or 12 printed pages maximum including tables and diagrams. Note that all technical papers should be written in the third person.

## *Font (sub-sub-heading)*

(Sub-sub-headings are 12 point italic.) These instructions have been produced using 11 point Times New Roman. All headings, sub-headings and sub-sub-headings have been produced using 12 point.

## *Spacing*

Single (one) line spacing should be used except when typing mathematical text with sub- and super-scripts.

## *Headings*

Some flexibility of presentation will be allowed but authors are urged to arrange the subject matter clearly under such headings as: Abstract, Notation, Introduction, Equipment, Experimental procedure, Theory, Results, Discussion, Conclusion, etc, with mathematical derivations and the like presented as Appendices. A full length paper should have a short introduction. This should state the reasons for the work, with brief reference to previous work on the subject.

## FIGURES AND TABLES

### Figures

All linework figures, if not on disk, should be carefully glued in their correct positions in the text and should be of as high quality as possible. They should appear at the top or bottom of the page on which they are referenced wherever possible and be numbered with arabic numerals as shown in Figure 1.

### Tables

All tables are to be numbered with arabic numerals and should have headings which make their general meaning understandable without reference to the text as shown in Table 1. Their layout should be consistent throughout. If the table is long and cannot fit on one page, the table number and heading should be repeated on the next page before the table is continued. The units in which results are expressed should be given at the top of each column and not repeated on each line of the table. Footnotes should be indicated by the use of lower case letters (a, b, c, etc), as superscripts without parentheses.

Column headings should have a one point rule above and below and the table should also have a one point rule at the base. Other horizontal and vertical rules should be incorporated only where necessary to improve clarity. Column headings should be centred, and column entries should be centred or aligned under the decimal point as appropriate.

### Photographs

All photographs will be reproduced in black and white and should be glossy with good contrast. Photographs which must be reproduced in colour will be considered but production costs will be passed on to the author. Photographs should be glued in position in the text using Cow Gum or similar so that they can be lifted for screening. The minimum number of photographs considered necessary should be included in the paper.

## EQUATIONS

Equations should be centred and numbered consecutively. Place the numbers in square brackets flush with the right hand margin of the column and level with the last line of the equation.

$$R'(a) = R - D r = r_i + r(1 - \cos a) \quad [1]$$

### Units

The SI system of units should be employed, but papers will be accepted in the English system, provided that values are followed by equivalent SI values in parentheses.

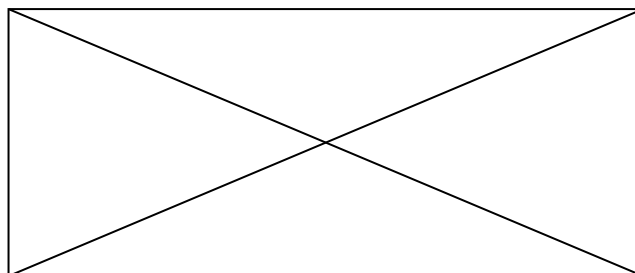


Figure 1. Box with diagonal lines

## REFERENCES

References should be set in 9 point to the following style. They should be numbered consecutively throughout the text (for example: [1], [2,3], [4-7] and placed in a list (headed References) at the end of the paper.

Published book - author, title, location, publisher, year

1 W Johnson, Impact Strength of Materials, London, Arnold, 1972.

Journal article - authors, title, journal date, volume, issue, pages

2 E C Chirwa, 'Theoretical analysis of tapered thin-walled metal invertebucktube', Int J Mech Sci, 1993 35 (3/4) 325-351.

Conference paper - authors, title, conference, location, publisher, year

3 E O Ibitolu and J Summerscales, 'Acoustic emission source location in reinforced composites', 2nd int conf Testing, Evaluation and Quality Control of Composites, Sevenoaks, Butterworths Scientific, 1987.

Patent - name, title, authority, number, date

4 J R McGehee, Frangible tube energy dissipation, US Patent Office, Pat No 3 143 321, August 1964.

---

### KEY POINTS TO REMEMBER ARE AS FOLLOWS:

1. PAPER A4 : 297 X 210 mm)  
LENGTH OF PAPER: 3000 – 4000 WORDS (8-15 PAGES)  
MARGINS: 25 mm ALL ROUND  
FONT: TIMES NEW ROMAN  
HEADINGS: 12 POINT  
TEXT: 11 POINT  
ABSTRACT, NOTATION, REFERENCES: 9 POINT
-