

## NOTES FOR AUTHORS

*Proceedings of the Royal Society of Edinburgh: Section A* is a general journal, and papers in all areas of mathematics will be considered. Papers to be considered for publication should be sent to the Publications Manager, The Royal Society of Edinburgh, 22 George Street, Edinburgh EH2 2PQ, Scotland.

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Every paper must be accompanied by a Synopsis, in general not exceeding two hundred words, which will be printed in small type at the beginning of the paper.

References within the text should be indicated by bold numbers in square brackets, e.g. [2] or [3, p. 167]. References at end of text should be in alphabetical order, numbered sequentially.

Authors should ensure that punctuation carries through the mathematics in the proper manner. The use of hyphens should be consistent. In the text avoid such abbreviations as: iff, w.r.t. and thm.

Footnotes should be avoided. Headings should not be underlined. Every effort should be made to avoid complicated subscripts, superscripts, ranges of summation and integration. Replace  $e^{(\dots)}$  by  $\exp[\dots]$  if the expression in parenthesis is complicated. Use the prime ' or  $d/dx$ , but preferably not a dot, to denote ordinary differentiation. If possible use subscripts to denote partial differentiation of  $\partial/\partial x$  etc. Bars reaching over several letters should be avoided: use  $\sqrt{()}$  or the exponent  $1/2$  for the square root.

Note that confusion very often arises between 1 (one) and  $l$  (ell); 0 (zero) and  $O$  (Capital oh);  $\circ$  (composition) and  $o$  (lower case oh);  $x$  and  $\times$ ;  $U$  and  $\cup$ ;  $c$  and  $\subset$ ;  $\in$  (belongs to) and  $\epsilon$  (epsilon);  $\emptyset$  (empty set) and  $\phi$  (phi);  $;$  and comma  $,$ ; prime ' and  $^1$ ;  $K$  and  $\kappa$ ;  $p$  and  $\rho$ ;  $w$  and  $\omega$ ;  $\sum$  (summation) and  $\Sigma$  (capital sigma);  $\prod$  (product) and  $\Pi$  (capital pi);  $v$  (lower case vee) and  $\nu$  (Greek nu);  $a$  (lower case a) and  $\alpha$  (Greek alpha);  $y$  (lower case y) and  $\gamma$  (Greek gamma). Please provide pencilled indicators in the margin where necessary. Where capitals and lower case of the same shape have to be printed, please indicate accordingly. Show italics by single underlining (except in the formulae which are set up normally in italics), bold face/Clarendon by wavy underlining and Greek by red underlining.

The statement of theorems, lemmas, et cetera, will be printed in italics and should be underlined. In definitions key words only should be in italics.

Equations should be indicated by numbers in parentheses in the right-hand margin.

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# PROCEEDINGS OF THE ROYAL SOCIETY OF EDINBURGH

## (Section A)

Volume 127

1997

Part 1

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