

# PROCEEDINGS OF THE ROYAL SOCIETY OF LONDON

---

---

A. MATHEMATICAL AND PHYSICAL  
SCIENCES

ISSN 0080-4630

Volume **411** Pages **1-263** Number **1840**

8 May 1987

---

---

PUBLISHED BY THE ROYAL SOCIETY  
6 CARLTON HOUSE TERRACE LONDON SW1Y 5AG

# PROCEEDINGS AND PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY

## *Notice to contributors*

The Royal Society welcomes suitable communications for publication in its scientific journals: papers estimated to occupy up to 24 printed pages are considered for the *Proceedings* and longer papers and those with numerous or large illustrations for the *Philosophical Transactions*.

Detailed advice on the preparation of papers to be submitted to the Society is given in a leaflet available from the Executive Secretary, The Royal Society, 6 Carlton House Terrace, London SW1Y 5AG. The 'Instructions to authors' are also printed in every fifth volume of the *Proceedings* A and B (volume numbers ending in 0 or 5). The basic requirements are: a paper should be as concise as its scientific content allows and grammatically correct; standard nomenclature, units and symbols should be used; the text (including the abstract, the list of references and figure descriptions) should be in double spaced typing on one side of the paper. A leaflet giving detailed advice on the preparation of illustrations is available from the Executive Secretary; diagrams should be expertly drawn at about twice the proposed final size, preferably with lettering in the correct style but if this is not possible the lettering should be inserted not on the original drawings but on a set of copies; where photographs are essential the layout should be designed to give the most effective presentation.

The initial submission of a paper must be through a Fellow or Foreign Member of the Society, but subsequent correspondence will be conducted direct with the author. The latest lists of Fellows and Foreign Members are to be found in the current edition of the *Year Book of the Royal Society*. A copy of 'Notes for the guidance of Fellows communicating papers' is available from the Executive Secretary. In the event of any difficulty, an author is invited to seek the assistance of the Executive Secretary.

No page charge is levied, and the first 50 offprints of a paper are supplied to the author gratis.

The Editors particularly welcome short communications to *Proceedings*; as far as possible they will be given expeditious treatment both in consideration and in printing, and this will be facilitated if a paper is submitted with a firm recommendation by a Fellow.

## *Associate Editors: series A, Mathematical and Physical Sciences*

|                        |                          |                         |
|------------------------|--------------------------|-------------------------|
| Sir Michael Atiyah     | Professor P. Gray        | Professor F. T. Smith   |
| Professor P. Chadwick  | Professor R. H. Ottewill | Professor J. T. Stuart  |
| Sir David Cox          | Professor D. W. Pashley  | Dr A. A. Wells          |
| Professor A. L. Cullen | Dr M. Pepper             | Professor D. H. Whiffen |
|                        | Professor M. J. Rees     |                         |

(For Standing Orders see current Year Book.)

## *Copyright*

© 1987 The Royal Society and the authors of individual papers.

It is the policy of the Royal Society not to charge any royalty for the production of a single copy of any one article made for private study or research. Requests for the copying or reprinting of any article for any other purpose should be sent to the Royal Society.