

The *IMA Journal of Mathematical Control and Information* is to provide an outlet for papers which are original and of high quality in mathematical control theory, systems theory, and allied information sciences. Short papers and mathematical correspondence or technical notes will be welcome, although the primary function of the journal is to publish papers of substantial length and coverage. The emphasis will be upon relevance, originality and clarity of presentation, although timeliness may well be an important feature in acceptable papers. Speculative papers that suggest new avenues for research or potential solutions to unsolved problems of control and information theory will be particularly welcome. Specific application papers will not normally be within the remit of the journal. Applications that illustrate techniques or theories will be acceptable. A prime function of the journal is to encourage the interplay between control and information theory and other mathematical sciences through the publication of inter-disciplinary studies and the application of mathematical techniques to control and information systems problems. The journal will publish special issues on single major themes of particular relevance and timeliness and guest editors may be appointed for this purpose: suggestions for special issues and associated invited papers will be welcomed by the editors. The journal will review appropriate books and provide information on major conferences and symposia in mathematical control and information theory.

All submitted papers will be judged on their merits by at least two referees and a full paper report will be available to the intending authors. Submitted articles will in general be published within six months of submission.

Editors: Professor C. J. Harris, Department of Aeronautics and Astronautics, Southampton University, Highfield, Southampton, Hants. SO9 5NH; Dr J. E. Marshall, School of Mathematical Sciences, University of Bath, Claverton Down, Bath BA2 7AY.

INSTRUCTIONS TO AUTHORS

1. *Submission of manuscripts.* Three copies of each manuscript should be sent to one of the Editors, together with the originals and two photocopies of any illustrations. Only the originals of illustrations will be returned to authors if a paper is not accepted for publication.

The Editors will correspond directly with the authors on the acceptability of their papers, and if the Editors deem a submitted paper to be a specialised contribution more appropriate for publication in the *IMA Journal of Applied Mathematics* or the *IMA Journal of Numerical Analysis*, they will forward it to the Editors of that journal for consideration.

Authors may not submit manuscripts that are under consideration for publication elsewhere.

2. *Manuscript layout.* Manuscripts should be typewritten on one side only with wide margins on high quality paper using double spacing throughout. Each page of the manuscript should be numbered. The front page should contain the article title, author's name and affiliation, keywords, and a summary. The summary or abstract should not exceed 300 words and should be intelligible to general readers without recourse to the main text. A list of notation should be avoided, but new notation and departures from standard use should be explained in the text. Avoid footnotes.

Articles should, in general, begin with an introduction which adequately covers the literature and scope of the paper. Each section in the paper should be numbered and equation numbers should be related to their own section. For example, section 2 might use:

"2. *Main Results*, equation numbers (2.1), (2.2) etc." Each article should have, in general, a conclusion or discussion section. Any appendices should follow the Reference section.

Equations should be typed wherever possible and punctuated to conform to their place in the syntax of the sentence.

The SI system of units should be used in all papers.

3. *Illustrations.* Drawings should be in indian ink on white card, faintly blue- or green-lined graph paper or on tracing cloth or paper. Authors should letter their drawings neatly with upper and lower case lettering. In general it is unnecessary to supply diagrams more than twice the linear dimensions desired in the final reproduction. *Please note: it is most important that lines and symbols should be drawn boldly enough to stand reduction to the desired size.* Redrawing of submitted diagrams will delay publication. A list of captions and titles should be typed at the end of the manuscript. Any photographs should be high quality glossy prints. The author's name and the figure number should be indicated lightly on the back of the print in soft pencil.

4. *References.* References will be listed at the end of the main text. The Harvard system, whereby the surname of the author and year of publication of the reference are used in the text is obligatory. The list of references should be in alphabetical order of first-cited names. References by the same author(s) should be in chronological order. The normal form of listed references is author's surname, initials; year in parenthesis; article title; journal name (abbreviated in accordance with the World List of Scientific Periodicals (4th edn)); volume number (underlined); inclusive page numbers.

5. *Copyright/Offprints.* Authors submitting a paper do so on the understanding that, if it is accepted for publication, exclusive copyright in the paper shall be assigned to the publisher. In consideration for assignment of copyright, the publisher will supply 50 offprints without covers of each paper. Further offprints may be ordered at extra cost at the proof stage. The publisher will not put any limitation on the personal freedom of the author to use material contained in the paper in other works which may be published.

CONTENTS

KADALBAJOO, M. K. and SINGH, A., A Cutting-Point Technique For Solving Nonlinear State Regulator Problems	183
LOGEMANN, H. and OWENS, D. H., Robust High-gain Feedback Control of Infinite-Dimensional Minimum-Phase Systems	195
AL-MAZEEDI, M. M., General Orthogonal State Variables and Applications to Lyapunov Functions and Feedback Control Systems	221
NJMEIJER, H., Local (dynamic) Input-Output Decoupling of Discrete Time Nonlinear Systems	237
CHAN, W. L. and YUNG, S. P., Duality Theory for the Linear-Convex Optimal Control Problem with Delays	251