CAMBRIDGE



ISSN 1446-1811

THE ANZIAM JOURNAL

(The Australian & New Zealand Industrial and Applied Mathematics Journal)

> Editors: Andrew Bassom & Graeme Hocking Volume 53 • Issue 3 • January 2012

> > **CAMBRIDGE** UNIVERSITY PRESS

Editorial Office and Addresses

Editors in Chief:	A. P. BASSOM (andrew.bassom@uwa.edu.au) School of Mathematics & Statistics The University of Western Australia Crawley WA 6009, Australia
	G. C. HOCKING (G.Hocking@murdoch.edu.au) Department of Mathematics & Statistics Murdoch University Murdoch WA 6150, Australia
Technical Editor:	T. POPIEL (tomasz.popiel@uwa.edu.au) School of Mathematics & Statistics The University of Western Australia Crawley WA 6009, Australia

Associate Editors

J. BORWEIN, School of Mathematics & Physical Sciences, University of Newcastle, NSW P. BROADBRIDGE, School of Engineering & Mathematical Sciences, La Trobe University, VIC R. S. BURACHIK, School of Mathematics & Statistics, University of South Australia, SA D. L. CLEMENTS, School of Mathematical Sciences, University of Adelaide, SA R. L. DEWAR, Department of Theoretical Physics, Australian National University, ACT A. C. EBERHARD, Department of Mathematics, Royal Melbourne Institute of Technology, VIC L. K. FORBES, School of Mathematics & Physics, University of Tasmania, TAS M. HEGLAND, Mathematical Sciences Institute, Australian National University, ACT V. JEYAKUMAR, School of Mathematics, University of New South Wales, NSW K. LANDMAN, Department of Mathematics & Statistics, University of Melbourne, VIC S. W. MCCUE, School of Mathematical Sciences, Queensland University of Technology, QLD R. MCKIBBIN, Institute of Information & Mathematical Sciences, Massey University, NZ M. I. NELSON, School of Mathematics & Applied Statistics, University of Wollongong, NSW M. PLANK, Department of Mathematics & Statistics, University of Canterbury, NZ D. RALPH, The Judge Institute of Management Studies, Cambridge University, UK M. SIMPSON, Science and Engineering Faculty, Queensland University of Technology, QLD H. M. SRIVASTAVA, Department of Mathematics & Statistics, University of Victoria, Canada K. L. TEO, Department of Mathematics & Statistics, Curtin University, WA J.-M. VANDEN-BROECK, Department of Mathematics, University College London, UK G. C. WAKE, Institute of Information & Mathematical Sciences, Massey University, NZ G. J. WEIR, Applied Mathematics Centre, Industrial Research Ltd, Lower Hutt, NZ S.-P. ZHU, School of Mathematics & Applied Statistics, University of Wollongong, NSW