The following contributions have been accepted for publication and will appear in 1979:

H. D. ALBER

A quasi-periodic boundary value problem for the Laplacian and the continuation of its resolvent

S. D. COHEN

Composite rational functions which are powers

R. J. COLE

Complementary variational principles for free molecular channel flow

E. T. COPSON

Two series inequalities

J. DUNCAN and I. D. MACDONALD

Some factorable nil rings of characteristic two

JANET DYSON and ROSANNA VILLELLA-BRESSAN

Semigroups of translations associated with functional and functional differential equations

DOMENICO FUSCO

An asymptotic method for nonlinear magnetosonic waves in a turbulent plasma with a finite conductivity

S. B. HADID

Estimates of Liouville-Green type for solutions of systems of differential equations

J. M. HILL and R. V. NILLSEN

Mutually conjugate solutions of formally self-adjoint differential equations

R. G. KELLER

The essential self-adjointness of differential operators with positive coefficients

R. G. KELLER

The essential self-adjointness of differential operators

GUY MAHLER

Nonlinear parabolic problems in unbounded domains

JAMES MOODIE

Weyl's m-coefficient in a B^* -algebra

B. SCHULTZE

Strongly irregular boundary value problems

L. VANHECKE and T. J. WILLMORE

Jacobi fields and geodesic spheres

WOLFGANG WALTER and H. RHEE

Entire solutions of $\Delta^p u = f(r, u)$

JET WIMP

Computing values of a function on 0, 1 from its moments

PROCEEDINGS OF THE ROYAL SOCIETY OF EDINBURGH

(Section A)

Volume 82	1978 Parts	1/2
	CONTENTS	
E. M. DE JAGER and T. K		
	as a singular perturbation problem	1
DAVID E. BLAIR		
On the non-regularity of t R. W. DICKEY	angent sphere bundles	13
	for a nonlinear semi-infinite string	19
Peter Bader	for a nominear semi-manne string	19
	e Hartree equation of the helium atom	27
P. HABETS	o viaitioo oquation or the honam atom	2,
On relaxation oscillations	in a forced van der Pol oscillator	41
W. D. Evans and A. ZET	TL	
Norm inequalities involving	ng derivatives	51
RAINER KRESS		
	ann boundary value problem for force-free fields	
by an integral equation m	ethod	71
JOHANN WALTER		
	absolute temperature—a reconciliation of the	0.77
classical method with that J. Mawhin and W. Walte		87
	nary differential equations with one-sided growth	
restrictions	mary differential equations with one-sided growth	95
ALI I. ABDUL-LATIF		75
Dirichlet, Neumann and	mixed Dirichlet-Neumann boundary value prob-	
lems for $U_{xy} = 0$ in rectan	•	107
T. S. BLYTH		
A coordinatisation of imp	licative (semi-)lattices by Baer semigroups	111
C. S. Johnson, Jr.		
	ation of implicative (semi-)lattices by Baer semi-	
groups		115
RICHARD C. GILBERT	100	
bers differ by an integer	nary differential operators whose deficiency num-	117
Manabu Narto and Norio	Voshida	117
	emilinear elliptic differential operators	135
ELENA STROESCU	omplie differential operators	133
	partial differential variational inequalities, II	153

ISSN 0308-2105

Proc. Roy. Soc. Edinb., A. 82

Published by The Royal Society of Edinburgh 22 George Street, Edinburgh EH2 2PQ

Printed in Northern Ireland at The Universities Press (Belfast) Ltd.