V. I. KOGAN and F. S. ROFE-BEKETOV

On Square-integrable Solutions of Symmetric Systems of Differential Equations of Arbitrary Order

E. R. LOVE

Inequalities for the Capacity of an Electrified Conducting Annular Disc

A. D. RAWLINS

Acoustic Diffraction by an Absorbing Semi-infinite Half Plane in a Moving Fluid (II)

A. D. RAWLINS

A New Class of Bessel Function inequality useful in determining the Existence of Roots of a Class of Transcendental Equation involving Bessel Functions

T. T. READ

Sequences of Deficiency Indices

F. STUMMEL

Perturbations of Non-linear Integral Operators

J. R. L. WEBB

On Uniqueness of Topological Degree for Set-valued Mappings

S. D. WRAY

On Weyl's Function $m(\lambda)$

The following contributions have been accepted for publication and will appear in Volume 74:

RICHARD F. BASENER

Rationally Convex Hulls and Potential Theory

- S. N. BROWN, K. STEWARTSON and P. G. WILLIAMS On Expansive Free-interactions in Boundary Layers
- J. CARR and J. DYSON

The Functional Differential Equation $y'(x) = ay(\lambda x) + by(x)$

N. CURLE

Development and Separation of a Laminar Boundary Layer, under the action of a very sharp Constant Adverse Pressure Gradient

R. DATKO

The Uniform Asymptotic Stability of Certain Linear Differential-difference Equations

JOHANNA DEUEL and PETER HESS

A Criterion for the Existence of Solutions of Non-linear Elliptic Boundary Value Problems

M. S. P. EASTHAM

Asymptotic Estimates for the Lengths of the Gaps in the Essential Spectrum of Self-adjoint Differential Operators

W. N. EVERITT and M. GIERTZ

A Critical Class of examples concerning the Integrable-square Classification of Ordinary Differential Expressions

A. T. FULLER

Dynamic Programming Applied to some Non-linear Stochastic Control Systems

P. P. N. DE GROEN

Elliptic Singular Perturbations of First-order Operators

ALAN JEFFREY and ESIN INAN

The Propagation of Second-order Lipschitz Discontinuities in Quasi-linear Hyperbolic Systems with Discontinuous Coefficients

A. KÄLLSTRÖM and B. D. SLEEMAN

A Left Definite Multiparameter Eigenvalue Problem in Ordinary Differential Equations

A. KÄLLSTRÖM and B. D. SLEEMAN

An Abstract Relation for Multiparameter Eigenvalue Problems

R. M. KAUFFMAN

A Rule relating the Deficiency Index of L^{j} to that of L^{k}

[continued overleaf

Printed in Scotland

by T. and A. Constable Ltd., Edinburgh EH7 4NF