OT 32

Operator Theory: Advances and Applications

Vol. 32

Editor:

I. Gohberg

Tel Aviv University

Ramat Aviv, Israel

Editorial Office:

School of Mathematical Sciences

Tel Aviv University

Ramat Aviv, Israel

Editorial Board:

A. Atzmon (Tel Aviv)

J. A. Ball (Blacksburg)

L. de Branges (West Lafayette)

K. Clancey (Athens, USA)

L. A. Coburn (Buffalo)

R. G. Douglas (Stony Brook)

H. Dym (Rehovot)

A. Dynin (Columbus)

P. A. Fillmore (Halifax)

C. Foias (Bloomington)

P. A. Fuhrmann (Beer Sheva)

S. Goldberg (College Park)

B. Gramsch (Mainz)

J. A. Helton (La Jolla)

D. Herrero (Tempe)

M. A. Kaashoek (Amsterdam)

T. Kailath (Stanford)

H. G. Kaper (Argonne)

S. T. Kuroda (Tokyo)

P. Lancaster (Calgary)

L. E. Lerer (Haifa)

E. Meister (Darmstadt)

B. Mityagin (Columbus)

J. D. Pincus (Stony Brook)

M. Rosenblum (Charlottesville)

J. Rovnyak (Charlottesville)

D. E. Sarason (Berkeley)

H. Widom (Santa Cruz)

D. Xia (Nashville)

Honorary and Advisory

Editorial Board:

P. R. Halmos (Santa Clara)

T. Kato (Berkeley)

P. D. Lax (New York)

M. S. Livsic (Beer Sheva)

S. G. Mikhlin (Leningrad)

R. Phillips (Stanford)

B. Sz.-Nagy (Szeged)

Springer Basel AG

Topics in Operator Theory

Constantin Apostol Memorial Issue

Edited by

I. Gohberg

1988

Springer Basel AG

Volume Editorial Office:
Raymond and Beverly Sackler Faculty of Exact Sciences
School of Mathematical Sciences
Tel Aviv University
Tel Aviv, Israel

CIP-Titelaufnahme der Deutschen Bibliothek

Topics in operator theory: Constantin Apostol memorial issue
/ ed. by I. Gohberg. – Basel ; Boston ; Berlin : Birkhäuser, 1988
(Operator theory ; Vol. 32)

NE: Gochberg, Izrail' [Hrsg.]; Apostol, Constantin: Festschrift; GT

This work is subject to copyright. All rights are reserved, whether the whole or part of the material is concerned, specifically those of translation, reprinting, re-use of illustrations, broadcasting, reproduction by photocopying machine or similar means, and storage in data banks. Under § 54 of the German Copyright Law where copies are made for other than private use a fee is payable to »Verwertungsgesellschaft Wort«, Munich.

© Springer Basel AG 1988
Originally published by Birkhäuser Verlag Basel in 1988
Softcover reprint of the hardcover 1st edition 1988
ISBN 978-3-0348-5477-1 ISBN 978-3-0348-5475-7 (eBook)
DOI 10.1007/978-3-0348-5475-7

TABLE OF CONTENTS

	From the Editor.....	VII
	D.A. Herrero: In Memory of Constantin Apostol.....	1
	List of Publications of Constantin Apostol.....	7
	C. Apostol: On the Spectral Equivalence of Operators.....	15
BEN-ARTZI, A. GOHBERG, I.	Fredholm properties of band matrices and dichotomy.....	37
BERCOVICI, H. CONWAY, J.B.	A note on the algebra generated by a subnormal operator.....	53
CEAUȘESCU, Z. SUCIU, I.	Extreme points in the set of contractive intertwining dilations....	57
DAVIDSON, K.R. FEEMAN, T.G. SHIELDS, A.L.	Extreme points in quotients of operator algebras.....	67
FOIAS, C. TANNENBAUM, A.	On the four block problem, I.....	93
HERRERO, D.A. TAYLOR, T.J. WANG, Z.Y.	Variation of the point spectrum under compact perturbations.....	113
LARSON, D.R. SOLEL, B.	Bimodules of nest subalgebras of von Neumann algebras	159
RAN, A.C.M. RODMAN, L.	Stability of invariant Lagrangian subspaces I.....	181
SALINAS, N.	Products of kernel functions and module tensor products.....	219
VASILESCU, F.-H.	Spectral capacities in quotient Fréchet spaces.....	243
VOICULESCU, D.	A note on quasidiagonal operators.....	265

CONSTANTIN APOSTOL
(1936–1987)

FROM THE EDITOR

Autumn 1985 Constantin Apostol became interested in the problem of local and global spectral equivalence. He soon produced a manuscript with interesting results. Who could imagine that this manuscript was to be a draft of his last paper, and it is with this paper that this Memorial issue begins. The final touches in the preparation of this paper for publication were done by Domingo Herrero; the author was already in hospital.

Constantin Apostol will be remembered as an outstanding expert in operator theory, in which area he made very important and deep contributions. His friends and colleagues dedicate this volume to his memory.

Hearty thanks are due to Domingo Herrero for his assistance in preparing this volume.

I. Gohberg