

CONTENTS

PREFACE	3
SCIENTIFIC PROGRAM	4
LIST OF PARTICIPANTS	8
Ju. M. Berezanskiĭ, Generalized power moment problems	11
F. A. Berezin — M. A. Šubin, Symbols of operators and quantization	21
J. Bognár, Involution as operator conjugation	53
F. F. Bonsall, Hermitian operators on Banach spaces	65
M. S. Brodskiĭ, On certain invariant subspaces of dissipative operators of exponential type	77
P. L. Butzer — U. Westphal, On the Cayley transform and semigroup operators ..	89
L. A. Coburn, C^* -algebras generated by semi-groups of isometries	99
J. L. B. Cooper, Group representations and integral transforms	107
R. Denčev, On commutative self-adjoint extensions of differential operators	113
J. Dixmier — C. Foiaş, Sur le spectre ponctuel d'un opérateur	127
R. G. Douglas — J. L. Taylor, Wiener-Hopf operators with measure kernels	135
E. Durszt, A generalization of Schäffer's matrix	143
C. Foiaş, A classification of doubly cyclic operators	155
I. M. Gelfand — V. A. Ponomarev, Problems of linear algebra and classification of quadruples of subspaces in a finite-dimensional vector space	163
I. C. Gohberg — N. Ja. Krupnik, Banach algebras generated by singular integral operators	239
V. I. Gorbačuk, Self-adjoint extensions of some Hermitian operators in a space with indefinite metric	265
H. Helson, Invariant subspaces of the weighted shift	271
H. Helton, Operators with a representation as multiplication by x on a Sobolev space	279
I. S. Iohvidov, On the structure of the spectrum of G -selfadjoint and G -unitary operators in Hilbert space	289
H. Johnen, Best approximation on the unitary group	295
R. K. Juberg, On the boundedness of certain singular integral operators	305
M. A. Kaashoek, On the peripheral spectrum of an element in a strict closed semi-algebra	319
R. G. Kalisch, On the similarity of certain operators	333

G. E. Kisilevskii, On the location of invariant subspaces of dissipative operators	347
I. Kovács, Power-bounded operators and finite type von Neumann algebras	351
M. G. Kreĭn — H. Langer, Über die verallgemeinerten Resolventen und die charakteristische Funktion eines isometrischen Operators im Raume Π_{κ}	353
G. W. Mackey, Products of subgroups and projective multipliers	401
P. Masani, Remarks on eigenpackets of self-adjoint operators	415
J. D. Pincus, The determining function method in the treatment of commutator systems	443
P. Rosenthal, Problems on invariant subspaces and operator algebras	479
Ju. A. Rozanov, On the structure of measurable linear operators	489
S. Sakai, On global type II_1 w^* -algebras	493
I. Suciú, Harnack inequalities for a functional calculus	499
B. Sz. Nagy, Quasi-similarity of operators of class C_0	513
S. Teleman, Representations of von Neumann algebras by sheaves	519
L. Zsidó, I. Coculescu's proof for the commutant theorem	539
CONTENTS	543