

CONTRIBUTIONS

General Measure Theory

X D. BIERLEIN	
Measure Extensions and Measurable Neighbours of a Function	1
J. P. R. CHRISTENSEN	
A Survey of Small Ball Theorems and Problems	24
G. A. EDGAR	
A Long James Space	31
R. J. GARDENER - W. F. PFEFFER	
Some Undecidability Questions Concerning Radon Measures (communicated by W. F. Pfeffer, to appear elsewhere)	
E. GRZEGOREK - C. RYLL-NARDZEWSKI	
Universal Null and Universally Measurable Sets (communicated by E. Grzegorek, to appear elsewhere)	
X H. G. KELLERER	
Baire Sets in Product Spaces	38
X J. LEMBCKE	
On a Measure Extension Theorem of Bierlein	45
D. MAHARAM - A. H. STONE	
One-to-One Functions and a Problem on Subfields (submitted as manuscript)	49
R. D. MAULDIN - P. ERDÖS	
Rotations of the Circle (submitted as manuscript)	53
F. TOPSØE	
Thin Trees and Geometrical Criteria for Lebesgue Nullsets	57
H. v. WEIZSÄCKER	
Remark on Extremal Measure Extensions (submitted as manuscript)	79
R. F. WHEELER	
Extensions of a σ -Additive Measure to the Projective Cover	81

Measurable Selections

M. P. ERSHOV	
Some Selection Theorems for Partitions of Sets without Topology	105

C. GODET-THOBIE	112
Some Results about Multimeasures and their Selectors	
S. GRAF	
A Parametrization of Measurable Sections via Extremal Preimage Measures (to appear elsewhere)	
S. GRAF	117
Measurable Weak Selections (submitted as manuscript)	
A. D. IOFFE	141
Representation Theorems for Measurable Multifunctions (submitted as manuscript)	
V. LOSERT	153
A Counterexample on Measurable Selections and Strong Lifting (submitted as manuscript)	
R. D. MAULDIN	160
Some Selection Theorems and Problems	
M. TALAGRAND	166
Non-Existence de Certaines Sections Mesurables et Contre- Exemples en Théorie du Relèvement	
D. H. WAGNER	176
Survey of Measurable Selection Theorems: An Update	
<u>Liftings</u>	
A.G.A.G. Babiker - W. STRAUSS	220
Almost Strong Liftings and τ -Additivity (communicated by A.G.A.G. Babiker)	
A.G.A.G. BABIKER - W. STRAUSS	228
Measure Spaces in which Every Lifting is an Almost \aleph -Lifting (submitted as manuscript)	
A. BELLOW	233
Lifting Compact Spaces (submitted as manuscript)	
P. GEORGIU	254
On "Idempotent" Liftings	
V. LOSERT	
À Radon Measure without the Strong Lifting Property (published in Math. Annalen <u>239</u> (1979), 119-128)	

Differentiation of Measures and Integrals

M. DE GUZMÁN

Some Results and Open Questions in Differentiation
(to appear elsewhere)

W.A.J. LUXEMBURG

The Radon-Nikodym Theorem Revisited
(to appear elsewhere)

P. MATTILA

Differentiation of Measures on Uniform Spaces 261

A. VOLČIČ

Differentiation of Daniell Integrals 284

Vector Valued and Group Valued Measures

P. MASANI

An Outline of the Theory of Stationary Measures over \mathbb{R}^q 295

P. MCGILL

An Elementary Integral 310

P. MORALES

Regularity and Extension of Semigroup-Valued Baire Measures 317

K. MUSIAŁ

Martingales of Pettis Integrable Functions 324

E. PAP

Integration of Functions with Values in Complete Semi-
Vector Space. 340

Stochastic Analysis and Probability

K. BICHTELER

The Stochastic Integral as a Vector Measure 348

S. D. CHATTERJI

Some Comments on the Maximal Inequality in Martingale Theory
(submitted as manuscript) 361

C. DELLACHERIE

Un Survol de la Théorie de l'Intégrale Stochastique 365

T. E. DUNCAN

Optimal Control of Continuous and Discontinuous Processes
in a Riemannian Tangent Bundle 396

N. FALKNER	
Construction of Stopping Times T such that $\sigma(X_T) = \underline{\mathbb{F}}_T \pmod P$ (submitted as manuscript)	412
V. GOODMAN	
The Law of the Iterated Logarithm in Hilbert Spaces (to appear elsewhere)	
W. HACKENBROCH	
A Non-Commutative Strassen Disintegration Theorem (submitted as manuscript)	424
D. A. KAPPOS	
A Kind of Random Integral (to appear elsewhere)	
A. MILLET - L. SUCHESTON	
On Covering Conditions and Convergence (communicated by L. Sucheston)	431
W. A. WOYCZYŃSKI	
Tail Probabilities of Sums of Random Vectors in Banach Spaces, and Related Mixed Norms	455
<u>L^p-Spaces and Related Topics</u>	
A. KATAVOLOS	
Non-Commutative L^p -Spaces (to appear elsewhere)	
W. SCHACHERMAYER	
Integral Operators on L^2 -Spaces (to appear in Indiana Univ. Math. J.)	
D. SENTILLES	
Stone Space Representation of Vector Functions and Operators on L^1	470
S. TOMÁŠEK	
An Isomorphism Theorem and Related Questions	474
<u>Integral Representations</u>	
M. M. RAO	
Local Functionals	484
E.G.F. THOMAS	
A Converse to Edgars's Theorem	497

Integral Transforms of Measures

A. HERTLE

Gaussian Surface Measures and the Radon Transform on
Separable Banach Spaces

513

Miscellaneous

C. CONSTANTINESCU

Spaces of Multipliable Families in Hausdorff Topological Groups

532

F.-Y. MAEDA

A Convergence Property for Solutions of Certain Quasi-Linear
Elliptic Equations

547

W. SŁOWIKOWSKI

Abstract Path Spaces
(to appear elsewhere)

W. SŁOWIKOWSKI

Concerning Pre-Supports of Linear Probability Measures
(submitted as manuscript)

554

F. TERPE

On a Suitable Notion of Convergence for the Space of Matrix
Summations
(submitted as manuscript)

566

Problem Section

571