

General Measure Theory

J.P.R. CHRISTENSEN

Updating of open problems in the classical theory of moments and ...

(see Problem Section: p.316)

P. ERDÖS

Some combinatorial, geometric and set theoretic problems in measure theory

(see Problem Section: p.321)

W. FILTER

Isolated and anti-isolated measures

(submitted as manuscript)

1

R.J. GARDNER and W.F. PFEFFER

Conditions that imply a space is Radon

11

S. GRAF, R.D. MAULDIN and S. WILLIAMS

Random homeomorphisms

23

(presented by S. Graf and R.D. Mauldin)

S. GRAF and G. MÄGERL

Isometries of measure algebras

(presented by G. Mägerl, to appear in Monatshefte f. Math.)

D. MAHARAM

On the planar representation of a measurable subfield

47

R.M. SHORTT

Complementation and conjugation for Borel structures

(to appear in Fundamenta Math.)

R.M. SHORTT

Big sets are strongly Blackwell

(submitted as manuscript)

58

M. TALAGRAND

Separate and joint measurability

(to appear elsewhere)

Set Theoretic Problems in Measure Theory

R. FRANKIEWICZ

Some remarks on embeddings of Boolean algebras

64

E. GRZEGOREK	
Remarks on some Borel structures	69
A. JOVANOVIĆ	
Some combinatorial properties of measures	75
<u>Liftings, Multifunctions and Selections</u>	
A.G.A.G. BABIKER, G. HELLER and W. STRAUSS	
On a lifting invariance problem (submitted as manuscript)	79
R.W. HANSELL	
A measurable selection and representation theorem in non-separable spaces	86
J.E. JAYNE	
Borel measurable selections and the Radon-Nikodym property (to appear elsewhere)	
V. LOSERT	
Some remarks on invariant liftings	95
P. MARITZ	
Some remarks on measurable and semi-continuous multifunctions (submitted as manuscript)	111
<u>Abstract Integration</u>	
J.L. KELLEY and T.P. SRINIVASAN	
Measure and integral - a new gambit (presented by T.P. Srinivasan)	120
P. MARITZ	
Bilinear integration of multifunctions (to appear elsewhere)	
S. OKADA	
A tensor product integral	127
E.G.F. THOMAS	
Invariant Daniell integrals	146
<u>Non-Scalar-Valued Measures and Integrals</u>	
P. MORALES	
Boundedness for uniform semigroup valued set functions	153

D. SENTILLES	
Some measure theoretic implications for the Pettis integral	165
T. TRAYNOR	
Modular functions and their Fréchet-Nikodym topologies	171
H. WEBER	
Group- and vector valued s-bounded contents	181
 <u>Geometric Measure Theory</u>	
P. MATTILA	
Hausdorff dimension of intersections of sets in n-space (to appear elsewhere)	
A. VOLČIČ	
Well-posedness of the Gardner-McMullen reconstruction problem	199
 <u>Optimization Problems</u>	
H.G. KELLERER	
Duality theorems for marginal problems (to appear elsewhere)	
V.N. SUDAKOV	
Two problems connected with Kantorovič distance (to appear elsewhere)	
 <u>Measure Theory and Functional Analysis</u>	
M.A. AKCOGLU	
Sub $L_p$ -spaces	211
H. BECKER	
Sur un problème de représentation intégrale: les appli- cations sommantes et la propriété de Radon-Nikodym	216
G.A. EDGAR	
Realcompactness and measure-compactness of the unit ball in a Banach space	232
W.A.J. LUXEMBURG	
The Radon-Nikodym theorem for positive operators (to appear elsewhere)	
G. PISIER	
Tensor products of Banach spaces (to appear elsewhere)	

C. STEGALL

Gateaux differentiability and a class of topological spaces

(to appear elsewhere)

H. von WEIZSÄCKER

Extremal families of probability measures

(to appear elsewhere)

### Ergodic Theory

M.A. AKCOGLU and L. SUCHESTON

On ergodic theory and truncated limits in Banach lattices

(presented by L. Sucheston)

241

S.J. EIGEN

Ergodic Cartesian products à la triangle sets

263

V.S. PRASAD

Nonsingular ergodic transformations

(to appear elsewhere)

### Probability Theory

A. BELLOW

For the historical record

(submitted as manuscript)

271

S.D. CHATTERJI

Measure theory and amarts

272

V. MANDREKAR

Stochastic integration with respect to Gaussian processes

(submitted as manuscript)

288

J. ROSINSKI and W.A. WOYCZYNSKI

Products of random measures, multilinear random forms and multiple stochastic integrals

(presented by W.A. Woyczynski)

294

M. TALAGRAND

Characterization of Glivenko classes and Banach space valued maps satisfying the Law of Large Numbers

(to appear elsewhere)

### Problem Section

316