VOLUME 20 NO. 2 1994–95

E

С

T

R

REAL ANALYSIS EXCHANGE

CONTENTS		
DITORIAL MESSAGES		. 37
ONFERENCE REPORTS		. 37
Table of Contents		. 37
OPICAL SURVEYS		
 L. Bukovský, N. N. Kholshchevnikova and M. Repický Thin sets of harmonic analysis and infinite combinatorics J. B. Brown Restriction theorems in real analysis 	•	45
ESEARCH ARTICLES	·	01
S. Leader		
Conversion formulas for the Lebesgue-Stieltjes integral T. Bartoszyński and H. Judah		52
Borel images of sets of reals		53
Finite additivity and closest approximations		55
A. Kharazishvili Some questions concerning invariant extensions of Lebesgue measure		58
R. J. Pawlak		
The right absorption property for Darboux functions	•	59
Transforming Lebesgue-Stieltjes integrals into Lebesgue integrals		60
Hausdorff measure on perturbed Cantor sets		61
CA. Faure and J. Mawhin The Hake's property for some integrals over multidimensional intervals		62
Z. Grande		
On the maximal families for the class of strongly quasi-continuous functions V. Ene		63
A generalization of the Banach Zarecki theorem		63
F. Prus-Wiśniowski and D. Waterman		
Smoothing A-sequences	•	64
E. Lazarow and A. Mainszewski Decomposition of \mathcal{I} -approximate derivatives $\ldots \ldots \ldots$		65
K. Ciesielski and A. W. Miller	•	00
Cardinal invariants concerning functions whose sum is almost continuous		65

	Cardinal invariants concerning function	ns whose	sum is	almost	continuous		65
A.	Maliszewski						
	Sums of bounded Darboux functions					 	67

REAL ANALYSIS EXCHANGE EDITORIAL BOARD

MANAGING EDITORS

- CLIFFORD E. WEIL, Mathematics Department, Michigan State University, East Lansing MI 48824-1027, USA e-mail: weil@math.msu.edu
- PAUL D. HUMKE, Mathematics Department, St. Olaf College, Northfield MN 55057, USA e-mail: humke@stolaf.edu

ASSOCIATE EDITORS

- MICHAEL J. EVANS, Mathematics Department, Washington and Lee University, Lexington VA 24450, USA e-mail: mjevans@wlu.edu
- LEE LARSON, Mathematics Department, University of Louisville, Louisville KY 40292, USA e-mail: lmlars01@homer.louisville.edu
- DAVID PREISS, Mathematics Department, University College-London, London WC1E 6BT, England e-mail: dp@math.ucl.ac.uk

CONTRIBUTING EDITORS

- JACK BROWN, Mathematics Department, Auburn University, Auburn University, AL 36849-3510, USA e-mail: brownj4@mail.auburn.edu
- PETER S. BULLEN, Mathematics Department, University of British Columbia, Vancouver BC V6T 1Y4, Canada e-mail: bullen@unixg.ubc.ca
- KRZYSZTOF CIESIELSKI, Mathematics Department, West Virginia University, Morgantown WV 26506-6310, USA e-mail: kcies@wvnvms.wvnet.edu
- JAMES FORAN, Mathematics Department, University of Missouri, Kansas City MO 64108, USA e-mail: jforan@cctr.umkc.edu
- HANS P. HEINIG, Department of Mathematics and Statistics, McMasters University, Hamilton ONT L8S 4K1, Canada e-mail: heinig@mcmail.cis.mcmaster.ca
- DANIEL MAULDIN Mathematics Department, Universit of North Texas, Denton, TX 75203 USA e-mail: mauldin@unt.edu
- RICHARD J. O'MALLEY, Mathematics Department, University of Wisconsin, Milwaukee WI 53201, USA e-mail: omalley@alpha2.csd.uwm.edu
- BRIAN S. THOMSON, Mathematics Department, Simon Fraser University, Burnaby BC V5A 1S6, Canada e-mail: thomson@cs.sfu.ca

Library of Congress Catalog Card Number 77-647120 International Standard Serial Number 0147-1937 SUBSCRIPTION INFORMATION

Annual subscription rates

Individuals \$32.00 Institutions \$47.00

Address subscription orders to: *Real Analysis Exchange*, Mathematics Department, Michigan State University, East Lansing MI 48824-1027, USA.