VOLUME 44 NO.2 2019 REAL ANALYSIS EXCHANGE

CONTENTS

EDITORIAL MESSAGES	
CONFERENCE ANNOUNCEMENTS	. i
RESEARCH ARTICLES	
Kathryn E. Hare and Kevin G. Hare	
Local Dimensions of Overlapping Self-Similar Measures	247
Henry D. Riely	
A Modification of the Chang-Wilson-Wolff Inequality via the	
Bellman Function	267
S. N. Mukhopadhyay and S. Ray	
Riemann Summability of Trigonometric Series and Riemann	
Derivatives of Real Functions	287
Wahida Kaidouchi, Badreddine Meftah, Meryem Benssaad,	
and Sarra Ghomrani	
Fractional Hermite-Hadamard Type Integral Inequalities for	
Functions whose Modulus of the Mixed Derivatives are	
Co-Ordinated Extended (s_1, m_1) - (s_2, m_2) -Preinvex	305
Antonio Boccuto	
Hahn-Banach-Type Theorems and Applications to Optimization	
for Partially Ordered Vector Space-Valued Invariant Operators	333
INROADS	
Jaroslav Lukeš and Petr Pošta	
Approximations by Differences of Lower Semicontinuous and	
Finely Continuous Functions	369
Rodrigo López Pouso	
Fourier Method Revised to Solve Partial Differential Equations	
and Prove Uniqueness at One Stroke	383
Savita Bhatnagar	
The Radon Nikodym Property and Multipliers of	
\mathcal{HK} -Integrable Functions	391
Steven G. Krantz	
Verifying Differentiability Without Calculating the Derivative	403
Ricky F. Rulete and Mhelmar A. Labendia	
A Descriptive Definition of the Backwards Itô-Henstock	
Integral	427

Fábio M. S. Lima	
A Bridge Between the Unit Square and Single Integrals for	
Real Functions of the Form $f(x \cdot y)$	445