

VOLUME 41 NO.1 2016
REAL ANALYSIS
EXCHANGE

CONTENTS

EDITORIAL MESSAGES	i
CONFERENCE ANNOUNCEMENTS	ii
PLENARY LECTURES	
A. M. Olevskii	
Fourier Quasicrystals	1
Marianna Csörnyei	
Tangents of Curves and Differentiability of Functions	9
Zoltán Buczolich	
Convergence of Ergodic Averages for Many Group Rotations	13
TOPICAL SURVEYS	
Krzysztof Chris Ciesielski and David Miller	
A Continuous Tale	19
RESEARCH ARTICLES	
Pongpol Ruankong and Songkiat Sumetkijakan	
Essential Closures	55
Bruce H. Hanson	
Sets of Non-differentiability for Functions with Finite	
Lower Scaled Oscillation	87
Horst Alzer	
Inequalities for Mean Values in Two Variables	101
Robert Menkyna	
On the Differences of Lower Semicontinuous Functions	123
S. N. Mukhopadhyay and S. Ray	
Relation between L_p -derivates and Peano, approximate Peano	
and Borel derivates of higher order	137
Igor L. Bloshanskii and Denis A. Grafov	
Sufficient Conditions for Convergence Almost Everywhere of	
Multiple Trigonometric Fourier Series with Lacunary Sequence	
or Partial Sums	159
Brian S. Thomson	
On VBG Functions and the Denjoy-Khintchine Integral	173
Péter Komjáth	
A Certain 2-Coloring of the Reals	227

INROADS

Alexander Kharazishvili	
Absolute Null Subsets of the Plane with Bad	
Orthogonal Projections	233
René E. Castillo, Julio C. Ramos-Fernández and Margot Salas-Brown	
The Essential Norm of Multiplication Operators on	
Lorentz Sequence Spaces	245