

ROMANIAN ACADEMY

MATHEMATICAL REPORTS

VOL. 15(65) • No. 4 • 2013

CONTENTS

Selected papers from the International Conference on Complex Analysis and Related Topics, and the 13<sup>th</sup> Romanian-Finnish Seminar (26-30 June 2012)

Guest Editors: Lucian BEZNEA, Aurelian GHONDEA, Peter HÄSTÖ, Cezar JOIȚA, and Matti VUORINEN	<b>Foreword</b> p. 311
P. ALESTALO and D.A. TROTSENKO	<b>On mappings that are close to a similarity</b> p. 313-318
Anca ANDREI	<b>On quasiextremal distance domains in metric spaces</b> p. 319-329
Andrei BARAN	<b>Topologies on cohomological invariants with supports</b> p. 331-342
J. CHEN, A. RASILA, and X. WANG	<b>On polyharmonic univalent mappings</b> p. 343-357
Igor CHYZHYKOV and Yurii LYUBARSKII	<b>Uniform approximation of subharmonic functions in the unit disk</b> p. 359-371
Dan COMAN and George MARINESCU	<b>On the approximation of positive closed currents on compact Kähler manifolds</b> p. 373-386
Mihai CRISTEA	<b>Some metric relations of the homeomorphisms satisfying generalized modular inequalities (I)</b> p. 387-396
Minjung GIM and Gerald TRUTNAU	<b>Explicit recurrence criteria for symmetric gradient type Dirichlet forms satisfying a Hamza type condition</b> p. 397-410

Ian GRAHAM, Hidetaka HAMADA,  
and Gabriela KOHR

A survey on extreme points, support points  
and Loewner chains in  $C^n$

p. 411-423

Valentin GRECEA

On potentials generated by increasing  
processes

p. 425-432

David KALAJ and Djordjije VUJADINOVIC

Adjoint operator of Bergman projection and  
Besov space  $B_p$

p. 433-442

Alberto LANCONELLI and Aurel I. STAN

A family of polynomials and their  
application to inequalities of norms of  
Poisson Wick products

p. 443-457

Marcelina MOCANU

Approximation by Lipschitz functions in  
abstract Sobolev spaces on metric spaces

p. 459-475

Antonio-Mihail NUICĂ

Renormalization of generalized "abc"  
gaskets

p. 477-487

Bebe PRUNARU

Asymptotic stability for a class of Markov  
semigroups

p. 489-495

Chia-Chi TUNG

On the weak solvability of Schrödinger type  
equations with boundary conditions

p. 497-510

Corneliu UDREA

Nonlinear resolvents and quasilinear elliptic  
equations

p. 511-521

OPEN PROBLEMS

p. 523-535

ALPHABETICAL INDEX

p. 537-538