

ILLINOIS JOURNAL OF MATHEMATICS

Volume 58, Number 1

Spring 2014

John Erik Fornæss, Lina Lee and Yuan Zhang , Formal complex curves in real smooth hypersurfaces	1
Mauro Di Nasso and Martino Lupini , Nonstandard analysis and the sunset phenomenon in arbitrary amenable groups	11
Nic Koban and Adam Piggott , The Bieri–Neumann–Strebel invariant of the pure symmetric automorphisms of a right-angled Artin group	27
Emilio Franco, Oscar Garcia-Prada and P. E. Newstead , Higgs bundles over elliptic curves	43
Pavel Ludvík and Jiří Spurný , Baire classes of L_1 -preduals and C^* -algebras	97
Qi S. Zhang , On the question of diameter bounds in Ricci flow	113
Paul Pollack , Some arithmetic properties of the sum of proper divisors and the sum of prime divisors	125
Rodrigo Bañuelos and Adam Osękowski , Sharp maximal L^p -estimates for martingales	149
Bing Hu, Xiaobin Sun and Yingchao Xie , Kolmogorov operator and Fokker–Planck equation associated to a stochastic Burgers equation driven by Lévy noise	167
Ramūnas Garunkštis, Jörn Steuding and Raivydas Šimėnas , The a -points of the Selberg zeta-function are uniformly distributed modulo one	207
Ozcan Yazici , Extension of plurisubharmonic functions in the Lelong class	219
Julia Plehnert , Constant mean curvature k -noids in homogeneous manifolds ..	233
Masayoshi Takeda , Criticality and subcriticality of generalized Schrödinger forms	251
Lukas Geyer , On the exceptional set in a conditional theorem of Littlewood ...	279