

ILLINOIS JOURNAL OF MATHEMATICS

Volume 54, Number 2

Summer 2010

Franz-Viktor Kuhlmann , A classification of Artin–Schreier defect extensions and characterizations of defectless fields	397
Tim Römer , Betti numbers and shifts in minimal graded free resolutions	449
Pekka Salmi , Quantum semigroup compactifications and uniform continuity on locally compact quantum groups	469
Leon A. Luxemburg , Cohomology of decomposition and the multiplicity theorem with applications to dynamical systems	485
M. Omidali and L. G. Roberts , On the regularity of certain projective monomial curves	501
M. Jasiczak , Extension and restriction of holomorphic functions on convex finite type domains	509
Rocco Duvenhage , Ergodicity and mixing of W^* -dynamical systems in terms of joinings	543
David Sherman , Divisible operators in von Neumann algebras	567
Zhongyan Li, Xingde Dai, Yuanan Diao and Wei Huang , The path-connectivity of MRA wavelets in $L^2(\mathbb{R}^d)$	601
Shijun Zheng , Spectral multipliers for Schrödinger operators	621
L. Costa and R. M. Miró-Roig , Frobenius splitting and derived category of toric varieties	649
Rami Younes , Minimal surfaces in $\widetilde{PSL}_2(\mathbb{R})$	671
Marianty Ionel and Thomas Ivey , Austere submanifolds of dimension four: Examples and maximal types	713
A. V. Isaev and I. G. Kossovskiy , Continuation of CR-automorphisms of Levi degenerate hyperquadrics to the projective space	747
David M. Freeman , Bilipschitz homogeneous Jordan curves, Möbius maps, and dimension	753
Marcin Bownik and Darrin Speegle , Linear independence of Parseval wavelets	771
Beniamino Cappelletti Montano , Corrigendum to “The foliated structure of contact metric (κ, μ) -spaces”	787