

# ILLINOIS JOURNAL OF MATHEMATICS

Volume 56, Number 3

Fall 2012

---

<b>Ri-Xiang Chen</b> , Some special cases of the Eisenbud–Green–Harris conjecture	661
<b>Richard C. Bradley</b> , On the behavior of the covariance matrices in a multivariate central limit theorem under some mixing conditions	677
<b>Patrick W. Keef and Peter V. Danchev</b> , Generalizations of primary Abelian $C_\alpha$ groups	705
<b>Jingwei Guo</b> , Lattice points in large convex planar domains of finite type	731
<b>Laurent Moonens and Joseph M. Rosenblatt</b> , Moving averages in the plane	759
<b>Sönmez Şahutoğlu</b> , Localization of compactness of Hankel operators on pseudoconvex domains	795
<b>Amy T. DeCelles</b> , An exact formula relating lattice points in symmetric spaces to the automorphic spectrum	805
<b>Kwok-Kwong Stephen Choi and Charles L. Samuels</b> , Two inequalities on the areal Mahler measure	825
<b>Naoya Hiramatsu</b> , Remarks on subcategories of Artinian modules	835
<b>Qingying Bu</b> , Applications of semi-embeddings to the study of the projective tensor product of Banach spaces	849
<b>Anna Pelczar-Barwacz</b> , Strictly singular operators in asymptotic $\ell_p$ Banach spaces	861
<b>Dumitru Popa</b> , Mixing multilinear operators	885
<b>Petteri Harjulehto, Ritva Hurri-Syrjänen and Antti V. Vähäkangas</b> , On the $(1, p)$ -Poincaré inequality	905
<b>Stanislav Hencl and Luděk Kleprlík</b> , Composition of $q$ -quasiconformal mappings and functions in Orlicz–Sobolev spaces	931
<b>Tadahito Harima and Junzo Watanabe</b> , The weak Lefschetz property for $\mathfrak{m}$ -full ideals and componentwise linear ideals	957
<b>Zhi-Wei Sun</b> , A refinement of a congruence result by van Hamme and Mortenson	967
<b>Claus Michael Ringel</b> , Morphisms determined by objects: The case of modules over artin algebras	981