

# ILLINOIS JOURNAL OF MATHEMATICS

Volume 57, Number 3

Fall 2013

---

<b>William Alexandre and Emmanuel Mazzilli</b> , Division of holomorphic functions and growth conditions .....	629
<b>Kazuyuki Enomoto and Jin-ichi Itoh</b> , The total absolute torsion of open curves in $E^3$ .....	665
<b>Libing Huang and Xiaohuan Mo</b> , On conformal fields of a Randers metric with isotropic $S$ -curvature .....	685
<b>L. Hauswirth, M. Kilian and M. U. Schmidt</b> , Finite type minimal annuli in $\mathbb{S}^2 \times \mathbb{R}$ .....	697
<b>Seth Aaronson and Nicholas A. Scoville</b> , Lusternik–Schnirelmann category for simplicial complexes .....	743
<b>M. Filali, M. Sangani Monfared and Ajit Iqbal Singh</b> , Involutions and tr involutions in algebras related to second duals of group algebras .....	755
<b>Vjekoslav Kovač and Christoph Thiele</b> , A $T(1)$ theorem for entangled multilinear dyadic Calderón–Zygmund operators .....	775
<b>Athipat Thamrongthanyalak</b> , Definable smoothing of continuous functions..	801
<b>Atsushi Ishii, Masahide Iwakiri, Yeonhee Jang and Kanako Oshiro</b> , A $G$ -family of quandles and handlebody-knots .....	817
<b>Waldemar D. Bastos, Olimpio H. Miyagaki and Rônei S. Vieira</b> , Solution to biharmonic equation with vanishing potential .....	839
<b>Guixiang Hong</b> , The behavior of the bounds of matrix-valued maximal inequality in $\mathbb{R}^n$ for large $n$ .....	855
<b>S. A. Seyed Fakhari</b> , Stanley depth of weakly polymatroidal ideals and squarefree monomial ideals .....	871
<b>Neil O’Connell</b> , Geometric RSK and the Toda lattice .....	883

---