

Illinois Journal of Mathematics

Volume 67 | Number 1 | April 2023

- 1 **On stability of the Erdős–Rademacher problem**
József Balogh and Felix Christian Clemen
- 13 **Weighted Hardy–Littlewood–Sobolev-type inequality for
ψ-Riemann–Liouville fractional integrals**
César E. Torres Ledesma, J. Vanterler da C. Sousa, and Amado M. Cruz
- 33 **On the geometry of the Heisenberg group with a balanced metric**
Fidelis Bittencourt, Edson S. Figueiredo, Pedro Fusieger, and Jaime Ripoll
- 45 **Approximating spaces of Nagata dimension zero by weighted trees**
Giuliano Basso and Hubert Sidler
- 73 **The supercritical deformed Hermitian Yang–Mills equation on compact
projective manifolds**
Aashirwad Ballal
- 101 **Vanishing of (co)homology of Burch and related submodules**
Souvik Dey and Toshinori Kobayashi
- 153 **Isoparametric submanifolds in Hilbert spaces and holonomy maps**
Naoyuki Koike
- 171 **Ramsey upper density of infinite graph factors**
József Balogh and Ander Lamaison
- 185 **Quasi-geodesics and backward orbits under semigroups of
holomorphic functions**
Konstantinos Zarvalis