Contents

Almut Burchard and Lawrence E. Thomas
On an Isoperimetric Inequality for a Schrödinger Operator Depending on the Curvature of a Loop 543

Yacine Chitour and Mario Sigalotti
Dubins’ Problem on Surfaces. I. Nonnegative Curvature 565

Sharief Deshmukh and Afifah Al-Eid
Curvature Bounds for the Spectrum of a Compact Riemannian Manifold of Constant Scalar Curvature 589

Vincent Guedj and Ahmed Zeriahi
Intrinsic Capacities on Compact Kahler Manifolds 607

David Jerison and Inwon Kim
The One-Phase Hele-Shaw Problem with Singularities 641

Joonil Kim
Singular Radon Transforms Along Odd Curves on the Heisenberg Group 669

Frédéric Rochon
Bott Periodicity for Fibred Cusp Operators 685

Author Index 723

Title Index 727

Indexed by Current Mathematical Publications, Mathematical Reviews, Zentralblatt für Mathemalik/Mathematics Abstracts, and Thompson ISI (Science Citation Index)