

Alexander Schwartz and Günter M. Ziegler 385  
**Construction Techniques for Cubical Complexes, Odd Cubical 4-Polytopes, and Prescribed Dual Manifolds**

Xin-Han Dong and Ka-Sing Lau 415  
**An Integral Related to the Cauchy Transform on the Sierpinski Gasket**

Masanari Kida 421  
**Primality Tests Using Algebraic Groups**

Dimitri Leemans 429  
**The Residually Weakly Primitive Geometries of  $J_3$**

P. E. Holmes 435  
**On Minimal Factorisations of Sporadic Groups**

F. J. Castro-Jiménez and J. M. Ucha-Enríquez 441  
**Testing the Logarithmic Comparison Theorem for Free Divisors**

Francesca Aicardi 451  
**On the Number of Perfect Binary Quadratic Forms**

Gabriela Schmithüsen 459  
**An Algorithm for Finding the Veech Group of an Origami**

Tadej Kotnik and Jan van de Lune 473  
**On the Order of the Mertens Function**

Gilles Schaeffer and Paul Zinn-Justin 483  
**On the Asymptotic Number of Plane Curves and Alternating Knots**

Gilbert Baumslag, Sean Cleary, and George Havas 495  
**Experimenting with Infinite Groups, I**

T. Rivoal 503  
**Simultaneous Generation of Koecher and Almkvist-Granville's Apéry-Like Formulae**