

Contents

Foreword — V

Ayomikun Adeniran, Lauren Snider, and Catherine Yan
Multivariate difference Gončarov polynomials — 1

J.-P. Allouche
On an inequality in a 1970 paper of R. L. Graham — 21

Noga Alon, Ryan Alweiss, Yang P. Liu, Anders Martinsson, and Shyam Narayanan
Arithmetic progressions in sumsets of sparse sets — 27

Michael A. Bennett, Greg Martin, and Kevin O'Bryant
Multidimensional Padé approximation of binomial functions: equalities — 35

Lars Blomberg, S. R. Shannon, and N. J. A. Sloane
Graphical enumeration and stained glass windows, 1: rectangular grids — 65

Tom C. Brown and Shahram Mohsenipour
Two extensions of Hilbert's cube lemma — 99

Mark Budden
The Gallai–Ramsey number for a tree versus complete graphs — 109

Joe Buhler, Chris Freiling, Ron Graham, Jonathan Kariv, James R. Roche, Mark Tiefenbruck, Clint Van Alten, and Dmytro Yeroshkin
On Levine's notorious hat puzzle — 115

Joshua Cooper and Grant Fickes
Recurrence ranks and moment sequences — 167

Andrzej Dudek, Jarosław Grytczuk, and Andrzej Ruciński
On weak twins and up-and-down subpermutations — 187

Sohail Farhangi and Jarosław Grytczuk
Distance graphs and arithmetic progressions — 203

Michael Filaseta and Jacob Juillerat
Consecutive primes which are widely digitally delicate — 209

Jerrold R. Griggs

Spanning trees and domination in hypercubes — 249

Heiko Harborth and Hauke Nienborg

Rook domination on hexagonal hexagon boards — 259

Neil Hindman and Dona Strauss

Strongly image partition regular matrices — 267

Brian Hopkins

Introducing shift-constrained Rado numbers — 285

Jared Duker Lichtman

Mertens' prime product formula, dissected — 297

Melvyn B. Nathanson

Curious convergent series of integers with missing digits — 311

Carl Pomerance

A note on Carmichael numbers in residue classes — 321

I. D. Shkredov and J. Solymosi

Tilted corners in integer grids — 329

Noga Alon, Tom C. Brown, Steve Butler, Jerrold R. Griggs, Neil Hindman,
Veselin Jungic, Bruce M. Landman, and Jaroslav Nešetřil

Remembrances — 339

Steve Butler

A selected bibliography of Ron Graham — 355