

CONTENTS

The radical of the differential ideal generated by XY in the ring
of two variable differential polynomials is not differentially
finitely generated
By DAVID BOURQUI AND JULIEN SEBAG 155

The symmetric signature of cyclic quotient singularities
By ALESSIO CAMINATA AND LUKAS KATTHÄN 163

The uniform face ideals of a simplicial complex
By DAVID COOK II 175

Hilbert-Kunz multiplicity of products of ideals
of the rational numbers
By NEIL EPSTEIN AND JAVID VALIDASHTI 225

A short proof of a result of Katz and West
By DIPANKAR GHOSH AND TONY J. PUTHENPURAKAL 237

Acyclic digraphs giving rise to complete intersections
By WALTER MORRIS, JR. 241

Jaffard families and localizations of star operations
By DARIO SPRIRITO 265