

JOURNAL OF COMMUTATIVE ALGEBRA

Volume 12

2020

Number 4

On the sum of z -ideals in subrings of $C(X)$

FARIBORZ AZARPANAH AND MEHDI PARSHINIA 459

A converse to a construction of Eisenbud–Shamash

PETTER A. BERGH, DAVID A. JORGENSEN AND W. FRANK MOORE 467

The Hilbert function of bigraded algebras in $k[\mathbb{P}^1 \times \mathbb{P}^1]$

GIUSEPPE FAVACCHIO 479

\star -super potent domains

EVAN HOUSTON AND MUHAMMAD ZAFRULLAH 489

Resolutions of length four which are differential graded algebras

ANDREW R. KUSTIN 509

b -vectors of chordal graphs

LUIS PEDRO MONTEJANO AND LUIS NÚÑEZ-BETANCOURT 539

F -pure threshold and height of quasihomogeneous polynomials

SUSANNE MÜLLER 559

Frobenius split subvarieties pull back in almost all characteristics

DAVID E SPEYER 573

The sets of star and semistar operations on semilocal Prüfer domains

DARIO SPIRITO 581

Author index for Volume 12 603