

Monomial ideals with linear upper bound regularity.

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Abstract

In this paper, we extend a result of Eisenbud-Reeves-Totaro in the frame of ideals of Borel type. As a consequence, we obtain a linear upper bound for the regularity of a new class of ideals, called \mathcal{D} -fixed ideals.

Keywords: Borel type ideals, p -Borel ideals, Mumford-Castelnuovo regularity.

2000 Mathematics Subject Classification: Primary: 13P10, Secondary: 13E10.