

A classification of Veronese type ideals, Veronese bitype ideals and mixed product ideals

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An ideal is said to be linear if its Rees algebra is canonically isomorphic to its symmetric algebra. In this talk, three types of combinatorial ideals are introduced: Veronese ideals, ideals of normal mixed products, and Veronese bi-type ideals. To determine which of these are linear, their combinatorial characterization and the technology provided by Gröbner bases will be employed.