

Seminari de Geometria Algebraica 2007/2008 (UB-UPC)

Divendres 8 de maig a les 16h. a l'aula B1

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## Ideals of Herzog-Northcott type

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[continuing joint work with F. Planas-Vilanova]

In previous work we used a family of ideals that arise as the defining ideals of certain affine space curves investigated by J Herzog in order to answer a 20 year old question on the Uniform Artin-Rees property of prime spectra. Crucially, we showed that these ideals were Northcott ideals, in the terminology of Vasconcelos.

The present talk focuses on more recent work and explores the complexities that arise when we investigate a more general version of this earlier work. Connections to open questions of Shimoda and Sally will be noted.

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