

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

Divendres 30 de maig a les 15h. a l'aula B1

<http://atlas.mat.ub.es/sga>

Complete Intersections on Generic Hypersurfaces of \mathbb{P}^n

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Let X be a generic hypersurface of degree d in \mathbb{P}^n . For which integers $a_1 \leq \dots \leq a_r$ does there exist a complete intersection $Y \subset X$ whose ideal is generated by r forms of degrees respectively a_1, \dots, a_r ?

We give a complete answer to this question when $2r \leq n + 2$ and some partial results when $2r > n + 2$.

This is work that has been done in collaboration with Enrico Carlini (Politecnico di Torino) and Luca Chiantini (Università di Siena).
