

Seminari de Geometria Algebraica 2016-2017

Divendres 24 de febrer a les 15:00, aula T2 FMI-UB

<http://www.ub.edu/sga/>

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**THE USE OF GEOMETRIC INVARIANTS IN  
RESOLUTION OF SINGULARITIES OF PLANE  
ALGEBRAIC CURVES**

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The goal of this talk is to discuss a new approach to resolution of singularities of plane algebraic curves. We will start by introducing the so-called geometric invariants and then use the information coming from the Puiseux parametrization at each singularity to determine which geometric invariants are needed for the resolution algorithm. Finally, with the help of these geometric invariants we will describe the resolution process of the algorithm as a blowup with a suitable center.