

Séminaire d'algèbre, topologie et géométrie
Jeudi 4 mai à 14h
Salle de Conférences

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*Singularities of Varieties with an Ample Divisor of Kodaira
Dimension Zero*

Three-dimensional varieties having hyperplane sections that are minimal surfaces of Kodaira dimension zero is a classical subject of interest of birational geometry for many years (e.g. Fano threefolds). Their study has been initiated by G. Fano more than 100 years ago. Later, the condition of being a hyperplane section was generalised and replaced by ampleness. During this talk we will discuss the higher dimensional analogue of such varieties. We will describe their properties, see a phenomena that happens only in odd dimensions and obtain a rough classification. Also we will construct examples of such varieties and, if we will have enough time, will discuss some explicit (ir-)rationality constructions in dimension 3.