

**Abstract:** We will study the Morin problem and present a method of classification of finite complete families of incident planes in  $\mathbb{P}^5$  as a result we prove that there is exactly one, up to  $\text{Aut}(\mathbb{P}^5)$ , configuration of maximal cardinality 20 and a unique one parameter family containing all the configurations of 19 planes. The method is to study projective models of appropriated moduli spaces of twisted sheaves on K3 surfaces. This is a joint work with A. Verra.