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SEMINARIO DE GEOMETRÍA ALGEBRAICA

Lunes 4 de febrero de 2007, 10:00, Seminario 238

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Impartirá la conferencia

Isomorphism criteria by jet schemes

Summary. The jet schemes are something to represent the geometric structure of the base scheme. For example, it is proved recently that if one jet scheme is smooth, then the base scheme is smooth. In this talk, I am going to consider the problem: For a morphism of germs $(X, x) \rightarrow (Y, y)$, we assume the isomorphisms of local jet schemes at x and y . Then, is the morphism $(X, x) \rightarrow (Y, y)$ isomorphic?