

On the formal principle for curves on projective surfaces

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For a curve C on a surface S , the pair (S,C) is said to satisfy the formal principle if for any other pair (S',C') such that the formal completions of S and S' along C and C' are formally diffeomorphic, then the germs of S and S' are diffeomorphic along C and C' .

I will explain how recent techniques to construct foliations associated a pair (S,C) with S projective allow us to prove a projective version of the formal principle (see the talk for an exact statement with all the hypotheses).