

*Exposé du jeudi 13 janvier 2011*

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**A COMPLEX ANALYTIC VIEW ON THE ANDRÉ-OORT CONJECTURE**

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**Résumé :** We report on joint work with Viehweg and Zuo. The goal is to describe necessary and sufficient effective criteria for variants of the André-Oort Conjecture. More precisely, subvarieties of the moduli space of principally polarized Abelian varieties containing sufficiently many (e.g. a dense set of) special subvarieties satisfying certain numerical conditions are special. We start with the case of curves on surfaces which was already studied by Hirzebruch.

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1. Les jeudis matin, de 10 h 30 à 11 h 30, salle 004, IRMAR (bâtiment 22), Université de Rennes 1, Campus de Beaulieu