Atelier « Cycles algébriques et modules »
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Degenerations of intermediate Jacobians

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Clemens and Griffiths have associated to a cubic threefold X a ppav of dimension 5, its Intermediate Jacobian $J(X)$. While the Intermediate Jacobian of a cubic threefold shares a number of similarities to the Jacobians curves, it is not a Jacobian. The purpose of this lecture is to discuss the degenerations of Intermediate Jacobians in analogy to the well known results of Mumford and Namikawa for Jacobians. *This is based on joint work with S. Casalaina-Martin, S. Grushevsky, and K. Hulek.* I will then discuss a different perspective on the degeneration of Intermediate Jacobians, which will be then developed in the talk of G. Sacca (*based on our joint work, also with C. Voisin*).

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