

Algebraic Geometry

Deformations of minimal cohomology classes

Sofia Tirabassi

University of Oslo, Norway

We study deformations of pairs $(J(C), W_d)$ given by a Jacobian of a curve and a Brill-Noether locus. When C is not hyperelliptic these are unobstructed and induced by the deformations of the curve. This provides further evidence to an outstanding conjecture of Debarre concerning ppav admitting a subscheme representing the minimal cohomology class.

This is joint work with L. Lombardi.