

A survey on the modularity of abelian surfaces

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Let A be an abelian surface defined over \mathbb{Q} with trivial endomorphism ring. The (para)modularity conjecture asserts that A is modular in the sense that its L -series agrees with that of a Siegel modular form of genus 2 and weight 2. In this talk, we will discuss what is known about this conjecture, giving several illustrative examples along the way..