

Moduli space of stable (1,2)-surfaces

Stephen Coughlan

Universitaet Bayreuth

`stephen.coughlan@uni-bayreuth.de`

A (1,2)-surface is a surface of general type with geometric genus 2 and canonical degree 1. I describe ongoing work with several collaborators, aiming to understand the so-called KSBA compactification of the moduli space of (1,2)-surfaces. In particular, we are able to describe some irreducible components of the moduli space and some boundary strata too.