

Farkas

Title: Birational classification of universal Jacobians over the moduli space of curves

Abstract: The universal Jacobian J_g is the fibration over the moduli space of curves with fibres being Jacobians of curves of genus g . I will discuss recent joint work with A. Verra where a complete classification of J_g by Kodaira dimension has been carried out. Thus J_g is a unirational variety when $g < 9$, has Kodaira dimension zero (respectively 19) when $g = 10$ (respectively $g = 11$), and is of Kodaira dimension $3g - 3$ for all other cases.