

# On the Bogomolov Conjecture over Function Fields

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This is joint work with Ziyang Gao. The Bogomolov Conjecture describes the distribution of points of small Néron-Tate height on a subvariety of an abelian variety. If all objects are defined over a number field, the conjecture was proved by Ullmo and Zhang. It was studied by Cinkir, Gubler, and Yamaki over function fields, but remains open in its most general form. I will report on progress when the base field is a function field of a curve in characteristic 0.