

Sam Streeter, University of Bristol

Title: *Weak approximation for del Pezzo surfaces of low degree*

Abstract: Many results and conjectures in arithmetic geometry are founded upon the belief that the rational points of Fano varieties are both abundant and well-distributed. In this talk we focus on del Pezzo surfaces (dimension-two Fano varieties) and take weak approximation as our notion of abundance/good distribution. We elucidate the geometric ideas behind recent results and ongoing work on weak approximation for del Pezzo surfaces of low degree. This is based on joint work with Julian Demeio and Rosa Winter.