

I'll discuss joint work with Efthymios Sofos giving an asymptotic formula for the number of diagonal planar conics with coefficients of bounded size which possess a rational point. This improves upon upper bounds of Serre and lower bounds of Hooley and Guo, and provides a rare example of an asymptotic formula in the regime of the Loughran--Smeets conjecture. Particular attention will be paid to the leading constant in the asymptotic formula and how it can be interpreted in terms of the underlying geometry of the problem.