

Fano manifolds of degree 18

I will present an overview of Mukai's classification of general Fano manifolds of Picard number one and coindex 3. Then I will discuss some of the degenerations of such Fano threefolds of anti-canonical degree 18. The talk is aimed at providing geometric background for the investigation of Kähler–Einstein metrics on Fano threefolds of degree 18 and index 1.