

Hyperkahler manifolds from Lagrangian degeneracy loci

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We shall present constructions of polarized Hyperkahler manifolds as double covers of special Lagrangian degeneracy loci. In particular, we will construct a new complete family of Hiperkahler manifolds that we call double EPW cubes. This is joint work with A.Iliev, G.Kapustka, K. Ranestad.