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On K3 surfaces of Picard rank 14

In this talk, I will present a study of complex K3 surfaces polarized by rank-fourteen, two-elementary lattices. This study includes birational models for these surfaces, as quartic projective hypersurfaces and a description of the associated coarse moduli spaces. I will also discuss a classification of all present Jacobian elliptic fibrations. This is joint work with A. Malmendier.