

Koike

title: Projective K3 surfaces which contain Levi-flat hypersurfaces

abst: We construct a non-Kummer projective K3 surface X which admits compact Levi-flats by holomorphically patching two open complex surfaces obtained as the complements of tubular neighborhoods of elliptic curves embedded in blow-ups of the projective plane at nine general points.

Such X admits a family of Levi-flat hypersurfaces.

This talk is based on a joint work with Takato Uehara.