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*On a special class of lattice polarized K3 surfaces*

Using standard Hodge theory, one can associate to any K3 surface which is polarized by the rank 17 even lattice  $H + E_8 + E_7$  an abelian surface  $A(C)$  obtained as the jacobian of a genus-two curve. I will discuss a geometric method that leads to an explicit description of the correspondence.

This is joint work with Charles Doran (University of Washington).