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Strange Duality for Algebraic Surfaces.

Strange Duality for sections of determinant line bundles associated to an algebraic curve is well-understood thanks to work of Alina Marian and Dragos Oprea. On an algebraic surface, the analogous Strange Duality is poorly understood, and possibly poorly formulated. In this talk, I will discuss work in the del Pezzo case with Thomas Goller and Drew Johnson, and also new conjectures for the case of other surfaces. (Received February 02, 2018)