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*Bridgeland Stability of Line Bundles on Smooth Projective Surfaces.* Preliminary report.

We introduce Bridgeland Stability Conditions and study the stability of line bundles for certain “divisorial stability conditions” defined on smooth projective surfaces. Methods of proof (including the reduction of these considerations to studying the relative geometry of conic sections in the (real) plane) and connections with representations of quivers will be discussed as time allows. (Received September 17, 2013)