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Jason Lo* (locc@missouri.edu). *Polynomial Bridgeland Stable Objects on Threefolds and Their Moduli.*

Polynomial Bridgeland stability was introduced by Arend Bayer on normal projective varieties. One such stability on threefolds, called PT-stability, gives a perspective of higher-rank analogues of the stable pairs studied by Pandharipande and Thomas. We will describe PT-stable objects in the derived category, and discuss what we know about their moduli. (Received January 17, 2011)