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Madeleine Weinstein*, maddie@math.berkeley.edu, and **Kristian Ranestad** and **Paul Breiding**. *Algebraic Geometry of Curvature*. Preliminary report.

Curvature is an important concept in differential geometry. We approach curvature from the perspective of algebraic geometry, studying the critical curvature locus of an algebraic variety. We discuss the defining equations, degree, and computation of this locus. (Received February 26, 2021)