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Angelynn R Alvarez* (alvarear@potdam.edu), Department of Mathematics, SUNY Potsdam, 44 Pierrepoint Avenue, Potsdam, NY 13676. *Holomorphic Sectional Curvature and its Friends on Complex Manifolds*. Preliminary report.

In the world of complex geometry, we are interested in studying how geometric quantities shape the global structure of a manifold. In this talk, we discuss a particular quantity called curvature, as well as the different types of curvature there are. Additionally, we will talk about several results on curvature, namely on the positive holomorphic sectional curvature on projectivized vector bundles over compact complex manifolds. (Received September 25, 2017)