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Tracy L Payne* (payntrac@isu.edu), Department of Mathematics, Idaho State University, 921 S. 8th Ave., Stop 8085, Pocatello, ID 83209-8085. *Geometric Invariants for Nilmanifolds*.

We review known geometric invariants for nilmanifolds (there aren't many). We present two new geometric invariants that will distinguish two nilmanifolds having conjugate Ricci endomorphisms. (Received February 12, 2011)