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Robert E Molzon\* (molzon@ms.uky.edu), Department of Mathematics, University of Kentucky, Lexington, KY 40506, and Hirotaka H Tamanoi (tamanoi@math.ucsc.edu), Department of Mathematics, University of California, Santa Cruz, Santa Cruz, CA 95064. *Generalized Schwarzians*.

We introduce certain Mobius invariant differential operators in several variables, which in many ways correctly generalize the classical Schwarzian derivative in one variable. We show that these generalized Schwarzians generate the entire set of Mobius invariant differential operators acting on local biholomorphisms. We then prove the composition formula for generalized Schwarzians from the point of view of connections in vector bundles. (Received October 02, 2000)