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Matthew Satriano*, 117 West 27th Street, Baltimore, MD 21218. *Which varieties are global quotients by finite groups?*

If a variety X is a global quotient of a smooth variety by a finite group, it has quotient singularities. In this talk we address whether the converse is true, a question posed by Fulton. We show that the answer is "yes" for a large class of varieties, and give an explicit algorithm for toric varieties. This is joint work with Anton Geraschenko. (Received July 29, 2014)