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Qingbo Huang* (qingbo.huang@wright.edu), Department of Mathematics & Statistics, Wright State University, Dayton, OH 45435. *Geometric properties and regularity of solutions to the Monge-Ampère equation.*

In this talk, we will discuss geometric properties and regularity theory of solutions to the Monge-Ampère equation $\det D^2u = f(x)$, where f is in VMO type spaces. (Received January 22, 2010)