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**Bo Guan\*** ([guan@math.osu.edu](mailto:guan@math.osu.edu)), Department of Mathematics, Ohio State University, Columbus, OH 43210. *Some special boundary value problems for complex Monge-Ampère equations.*

We prove some existence and regularity results on complex Monge-Ampère equations that arise from problems in geometry and complex analysis. (Received August 29, 2005)