1000-35-77 **Diego M Maldonado*** (`maldonado@math.ukans.edu`), Department of Mathematics., University of Kansas. 1460 Jayhawk Blvd., 405 Snow Hall, Lawrence, KS 66045. *On the positive solutions to the linearized Monge-Ampere equation.* Preliminary report.

We prove a weak reverse Holder inequality for non-negative solutions to $L_\varphi u = 0$, where L_φ is the Monge-Ampere operator linearized at φ, under minimal assumptions on the convex function φ. This is joint work with L. Forzani. (Received August 16, 2004)