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Cristina Popovici* (cristina.popovici@ndsu.edu), North Dakota State University,
Department of Mathematics, NDSU Dept. # 2750, P.O. Box 6050, Fargo, ND 58108-6050. *The
asymptotic behavior of power-law functionals and applications.*

Γ -convergence results for power-law functionals are obtained in the framework of A-quasiconvexity. Applications to several models of polycrystal plasticity are described. Joint work with Marian Bocea (NDSU). (Received September 20, 2009)