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Chunshan Zhao* (czhao@GeorgiaSouthern.edu), Department of Mathematical Sciences, Georgia Southern University, Statesboro, GA 30460. *A class of quasilinear elliptic problems with large diffusion.* Preliminary report.

I will talk about asymptotic behaviors of positive solutions to a class of quasilinear elliptic Neumann problems as the diffusion coefficient goes to ∞ . Results for both subcritical case and critical case will be presented. (Received August 09, 2006)