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Truyen Nguyen* (tnguyen@uakron.edu). *Gradient estimates for nonlinear elliptic equations in divergence form.*

We study regularity for solutions to some nonlinear elliptic equations in divergent form. By employing a perturbation argument, we establish L^p - estimates for gradient of weak solutions to these equations. The class of equations under investigation is quite general and it includes the p -Laplace equations and some equations arising in the habitat segregation phenomena between two species competing in the same domain. (Received February 08, 2014)