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**C Qu** and **P Wang\*** (pxw10@psu.edu), Department of Mathematics, Penn State University – Schuylkill, Schuylkill Haven, PA 17972. *Uniqueness of Semilinear Elliptic Inverse Problem.*

We consider in this work the uniqueness of inverse problem for a semilinear elliptic differential equation with Dirichlet condition. The necessary and sufficient condition of unique solution is obtained. We improved the results obtained by Isakov and Sylvester for the same problem. (Received November 05, 2007)