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Chloe L Ondracek* (chloe.ondracek@my.minotstateu.edu), Minot, ND 58703, and **Narayan Thapa** (narayan.thapa@minotstateu.edu), Minot, ND 58707. *Identification Problem in Parabolic Partial Differential Equation.*

In this work, we consider an inverse problem involving the identification and estimation of distributed parameters in parabolic type initial boundary value problem. Unique solution of the initial boundary value problem is derived. The time dependent parameter is determined by using observational data. (Received September 12, 2013)