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Ping Wang* (pxw10@psu.edu), Mathematics Department, 200 University Drive, Schuylkill Haven, PA 17901, and **Kewang Zheng**. *Numerical and Theoretical Determination of Unknown Source in Heat Conduction*.

We consider the problem of determining an unknown source/sink term in heat conduction with ill-posed nature. Applying Tikhonov's regularization approach, we develop a numerical procedure to find an approximate solution of the problem from over-specified data. (Received February 17, 2017)