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Yaqin Feng, John R Graef, Lingju Kong and Min Wang* (wangmin@rowan.edu). *The forward and inverse problems for a fractional boundary value problem.*

In this talk, we consider the forward and inverse problems for a fractional boundary value problem with Dirichlet boundary conditions. The existence and uniqueness of solutions for the forward problem is first proved. Then an inverse source problem is considered. (Received September 25, 2017)