

1096-35-2645

Andras Balogh* (abalogh@utpa.edu), Department of Mathematics, The University of Texas-Pan American, 1201 W. University Drive, Edinburg, TX 78539. *Well-Posedness of a Boundary Controlled Generalized Burgers-Korteweg-de Vries Equation.*

We consider a Generalized Burgers-Korteweg-de Vries Equation on a finite interval with nonlinear boundary conditions representing stabilizing boundary feedback control laws. The theory of monotone operators is used with locally Lipschitz perturbations in order to show the existence of solutions. (Received September 17, 2013)