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Catherine Lebiedzik* (ar6554@wayne.edu). *Uniform Decay Rates for a full Von Karman System of Dynamic Thermoelasticity with Free Boundary Conditions.*

We consider a full Von Karman system accounting for in-plane acceleration and nonlinear thermal effects. Our model features free boundary conditions and an internal damping term on the in-plane displacement. We will discuss wellposedness of regular and weak solutions, and obtain uniform decay rates for the energy function. (Received August 21, 2015)