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**P Jameson Graber\*** (pjpg140130@utdallas.edu), 800 West Campbell Road, SM30, Richardson, TX 75080, and **Joseph L Shomberg**. *Attractors for Strongly Damped Wave Equations with Nonlinear Hyperbolic Dynamic Boundary Conditions.*

We establish the well-posedness of a strongly damped semilinear wave equation equipped with nonlinear hyperbolic dynamic boundary conditions. Results are carried out with the presence of a parameter distinguishing whether the underlying operator is analytic,  $\alpha > 0$ , or only of Gevrey class,  $\alpha = 0$ . In both settings, we establish the existence of a global attractor and a weak exponential attractor under minimal assumptions on the nonlinear terms. The weak exponential attractor is a finite dimensional compact set in the weak energy phase space. Here, the existence of a weak exponential attractor insures the corresponding global attractors also possess finite fractal dimension in the weak topology; moreover, the dimension is independent of the perturbation parameter. The final result concerns the upper-semicontinuity of the family of global attractors as  $\alpha \rightarrow 0$ . (Received July 24, 2015)