Exponential stability for a structure with interfacial slip and frictional damping

Carlos A. Raposo

There are few manuscripts that deal with systems of interfacial slip, we cite [1, 3] and the recent work [2] where was established the existence of smooth nite dimensional global attractors for the corresponding solution semigroup. In [1], Hansen and Spies derived the mathematical model (1) for two-layered beams with structural damping due to the interfacial slip

$$u_{tt} + G(\quad u_x)_x = 0; \quad x$$