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**Tim McDevitt\*** (mcdevittt@etown.edu), Dept of Mathematical and Computer Sciences, One Alpha Drive, Elizabethtown College, Elizabethtown, PA 17022. *Numerical Results for Energy Decay in Thermoelastic Beams*. Preliminary report.

Although heat conduction dissipates vibrations in thermoelastic beams, the application of additional damping mechanisms can speed stabilization. This talk presents numerical results that assess the relative importance of thermal effects and mechanical damping on the boundary by computing the spectra. Different models for thermoelastic beams will be considered. (Received September 16, 2008)