

Our project was to apply passive damping to a thin aluminum cantilever beam with the use of a shunt circuit and two piezoelectric strips. Behavior of the beam with and without the shunt was investigated under excitation from a shaker and a modal hammer. The goal of the project was to validate the passive damping methods of our system, to quantify and characterize the performance of the piezoelectric material, and to control the damping of a single mode of vibration in the beam.