1139-35-521 Walton Green, Shitao Liu* (liul@clemson.edu) and Mishko Mitkovski. A harmonic

analysis proof of the boundary observability inequality for the visco-elastic equation.

We give a harmonic analysis proof of the Neumann boundary observability inequality for the wave equation and viscoelastic equation in an arbitrary space dimension. The proof extends the classical moment method and gives simple, explicit constants. (Received February 19, 2018)