

1118-93-131

**Scott Hansen\*** ([shansen@iastate.edu](mailto:shansen@iastate.edu)), Department of Mathematics, Iowa State University,  
Ames, IA 50011. *Stabilization of multilayer Rao-Nakra beam and plate systems.*

The classical 3-layer Rao-Nakra sandwich beam model consists of two outer “face plate” layers that obey the Kirchhoff hypothesis and a shear-deformable inner core layer. I’ll describe some exact controllability and stabilization results for a multilayer version of the Rao-Nakra beam model and recent results for boundary and locally distributed stabilization of the analogous plate system. (Received January 28, 2016)