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Rajeev Rajaram* (rrajaram@shepherd.edu), 11,Shoe Lane, P.O Box 305, Shepherdstown, WV 25443. *Exact Controllability of a Rao-Nakra sandwich beam.*

The multiplier method is used to derive controllability results for a three layer sandwich beam of the Rao-Nakra type. The undamped case is considered here. The equations of motion consist of a beam equation representing the transversal displacement coupled with two wave equations for the longitudinal displacement of the top and bottom layers. (Received August 22, 2005)