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**SUZANNE LENHART\*** ([lenhart@math.utk.edu](mailto:lenhart@math.utk.edu)), University of Tennessee, Math Dept. 227 Ayres Hall, KNOXVILLE, TN 37996-1320. *Optimal control in models of management of forest resources*. Preliminary report.

Optimal control theory can be used to choose management strategies in models involving sustainability of a resource population. An example model of harvesting non-timber forest products will be given. A second example will model the use of a pathogen to slow an invasion of gypsy moths on tree populations. (Received September 11, 2013)