Andrew L. Nevai* (anevai@mbi.ohio-state.edu), Mathematical Biosciences Institute, The Ohio State University, 231 W. 18th Avenue, Columbus, OH 43210, and Richard R. Vance (rvance@ucla.edu), Department of Ecology \& Evolutionary Biology, University of California, 621 Charles E. Young Drive South, Los Angeles, CA 90095-1606. Plant competition for sunlight.
We use a model to show that canopy partitioning is both necessary and sufficient for coexistence of plant species that compete for sunlight. (Received August 30, 2005)

