1067-05-536 **Hong-Jian Lai**, Department of Mathematics, 320 Armstrong Hall, P.O. Box 6310, Morgantown, WV 26506, **Yanting Liang*** (lyt814@math.wvu.edu), Department of Mathematics, 320 Armstrong Hall, P.O. Box 6310, Morgantown, WV 26506, and **Ping Li**. *Degree sequences and graphs with disjoint spanning trees.*

A non-increasing sequence $d = (d_1, d_2, \cdots, d_n)$ is graphic if there is a simple graph G with degree sequence d. In this paper, it is proved that for a positive integer k, a graphic sequence d has a simple realization G which has k-edge-disjoint spanning trees if and only if either both $n = 1$ and $d_1 = 1$, or $n \geq 2$ and both $d_n \geq k$ and $\sum_{i=1}^{n} d_i \geq 2k(n-1)$. (Received September 08, 2010)