

1086-05-2626

**James Michael Shook\*** (james.shook@nist.gov), 100 Bureau Drive, Stop 8910, Gaithersburg, MD 20899, and **Brian Cloteaux, Elizabeth Moseman** and **M Drew LaMar**. *Threshold Digraphs*.

Graphs or digraphs whose degree sequences have a unique labelled realization are called threshold. From this starting point, we show several equivalent characterizations of threshold digraphs. These characterizations include a constructive method and an algebraic characterization that threshold digraphs are precisely those digraphs whose degree sequences satisfy the Fulkerson inequalities as equalities. (Received September 25, 2012)