1025-05-110   **Arthur Busch**, **Guantao Chen** and **Michael Jacobson*** (`msj@cudenver.edu`), Department of Mathematical Sciences, Campus Box 170, PO. Box 173364, University of Colorado at Denver, Denver, CO 80217-3364, and **Jian Shen**. *Pan-partition Transitive Realizations.*

A tournament is an oriented complete graph. There are many conditions that assure that a non increasing sequence $s_1 \geq s_2 \geq ... \geq s_n$ are the scores (out degrees) of the vertices of a tournament. Furthermore, given a realizable score sequence, there are possibly many tournaments that have that sequence as its score sequence.

In this paper we explore the existence of realizations of a sequence having a partition of the vertices, each part of which induces a transitive tournament. This extends work of Brualdi and Shen and Guiduli, Gyárfás, Thomassé and Weidl. (Received January 18, 2007)

1