Cyclically Simple Tournaments

Michael Santana

Tournaments are orientations of complete graphs. Cyclically simple tournaments are tournaments in which the intersection of any two cycles is either empty or a path. In this talk I will reprove a characterization of cyclically simple tournaments by first proving a theorem characterizing strong, cyclically simple tournaments. Note: Plenty of definitions, illustrations, and examples will be given so that those with basic graph theory understanding should be able to follow along.