What are hamiltonian paths and out-branchings in a graph, and when do they exist in tournaments?

(And, why do we care?)

Alex Beckwith

In this talk we will define two objects that give information about the connectivity of a graph: hamiltonian paths and out-branchings in a graph. We then examine conditions sufficient for the existence in a tournament of a hamiltonian path and an out-branching rooted at the same vertex that are arc-disjoint. We prove some new results and show how these are related to the well-known Kelly conjecture.

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3:10PM

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