Computer Science
Seminar

Cops, Robbers, and Barricades

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Abstract: Combinatorial games, especially games on graphs, have become more popular as a research interest over the past few decades. Despite their fun nature, some deep conjectures still remain elusive. In this talk, we will focus on what is now a classic game on graphs, Cops and Robbers. We will discuss the history of the game, some basic results and a few variants. Mostly, we will focus on Cops, Robbers and Barricades, where the Robber is allowed to build vertex-barricades. We will include a rigorous characterization of the graphs where a single cop can win, as well as a complexity result for the problem in general.

Monday, June 14, 2021, 1:00 pm
https://emory.zoom.us/j/93995724437

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