The Math/Stats Colloquium
Department of Mathematics and Statistics
San José State University

Jesse Geneson

SJSU

Metric dimension of graphs

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Abstract: Consider a model of robot navigation, where the robot moves between locations in a graph G and uses its distances to landmarks in G to determine its location. The minimum number of landmarks to distinguish all of the locations in G is known as the metric dimension of G. We discuss what is known about metric dimension, including recent results and open problems.

Background: No particular background required.

About the speaker: Jesse Geneson is an assistant professor at SJSU. He is also head mentor of the online research program CrowdMath. His current research is in graph theory and combinatorics.

Colloquium broadcast via Zoom, 3pm Pacific/6pm Eastern
Email `tim.hsu@sjsu.edu` for an invitation

For our full schedule, see: `http://www.timhsu.net/colloq/`