Vašek Chvátal

Points and Lines

Virtual Combinatorics Colloquium

Hosted by the Northeast Combinatorics Network

October 25, 2018

3:00 – 4:00 PM EDT

Stratton Hall 203

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Abstract:
A set of n points in the Euclidean plane determines at least n distinct lines unless these n points are collinear. In 2006, Chen and Chvátal asked whether the same statement holds true in general metric spaces, where the line determined by points x and y is defined as the set consisting of x, y, and all points z such that one of the three points x, y, z lies between the other two. We will trace the curriculum vitae of the conjecture that it does hold true and point out related open problems.

Attend the talk via Zoom!

Simply go to this link which will bring you to the meeting, first doing a quick app install if necessary:

https://wpi.zoom.us/j/270029446

Host a Local Viewing Party!

Campuses from around the Northeast will be logging in to the Zoom platform to watch these engaging lectures and to interact with the speakers in real time. Here are some suggestions for viewing party hosts:

- Arrange a room far in advance with a projection screen
- Advertise the talk to get faculty and students to attend together
- Offer snacks to entice students to attend
- Have a local faculty member give a mini pre-lecture introduction and engage in group discussion afterwards