

Spring 2020 Undergraduate Seminar

Department of Mathematics



How many lines are on a hypersurface?

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Department of Mathematics

Date: Friday, January 31

Time: 2:00 - 2:50 pm

Location: Room 703, Thackeray Hall

Roya Beheshti Zavareh is an associate professor at Washington University in St. Louis. She received her PhD from MIT under Prof. Johan de Jong and her current field of mathematics is algebraic geometry.

Professor Beheshti is the colloquium speaker for this week. The colloquium is held on **Friday, January 31** in **Room 704** in **Thackeray Hall** from **3:30 – 4:20 pm**.



A cubic surface is a surface in the 3-dimensional space defined by a polynomial equation of degree 3. It is a remarkable, classical fact in algebraic geometry that every cubic surface contains exactly 27 lines. In this talk, I will explain this fact and its generalization to higher dimensions. Food and drinks will be available prior to the talk between 1:50 and 2:00 pm.

SPEAKER(S) FOR NEXT WEEK:

Derek Orr, 2/4



Organized by: Derek Orr, Tom Everest, Jeremiah Morgan, and Jeff Wheeler