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presented by

The UO Chapter of the Association for Women in Mathematics

THIS TALK ACCESSIBLE TO UNDERGRADUATES

Where are the Women?

Looking for Women Authors on the Math arXiv

2pm Tuesday, January 13th
115 Lawrence

Women are underrepresented in research mathematics. But are all fields of math research the same, or are some friendlier to women than others? We explore this question using data from the arXiv, a website that has been collecting math preprints in a broad array of subfields since 1997.

Arithmetic and Multiple Mirrors

4pm Monday, January 12th
208 Deady
Tea at 3:30pm in Fenton

Mirror symmetry predicts surprising geometric correspondences between distinct families of algebraic varieties. In some cases, these correspondences can be extended to the realm of number theory. We use Berglund-Huebsch-Krawitz mirror symmetry to make and test predictions about the number of solutions to certain quartic polynomials over finite fields.