



# Ursula Whitcher

THE UNIVERSITY OF WISCONSIN – EAU CLAIRE

*presented by*

The UO Chapter of the **Association for Women in Mathematics**

**THIS TALK ACCESSIBLE  
TO UNDERGRADUATES**

## 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.

## 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.



ASSOCIATION FOR  
WOMEN IN MATHEMATICS