

CCSU
DEPARTMENT OF MATHEMATICAL SCIENCES

COLLOQUIUM

Friday, April 28

2:00 – 3:00 PM

Maria Sanford, Room 101

QUADRATIC RESIDUES AND QUADRATIC RECIPROCITY

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ABSTRACT

Quadratic Reciprocity is notorious for the number of published proofs (currently around 200). I will present the definitions, notation, and the theorems associated with Quadratic Residues and Quadratic Reciprocity, including Euler's Criterion, Gauss' Lemma, and the Law of Quadratic Reciprocity. This presentation is accessible to graduate students as well as undergraduate students who have studied number theory.

AFTERMATH:

**Refreshments will follow the colloquium at Castaneda's
(1590 Stanley St. – across from the administration building)**

For further information:

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