

CCSU
DEPARTMENT OF MATHEMATICAL SCIENCES

COLLOQUIUM

Friday, March 6
2:00 – 3:00 PM
Maria Sanford, Room 101

REAL DIVISION ALGEBRAS – PART 2

NELSON CASTANEDA

CENTRAL CONNECTICUT STATE UNIVERSITY

Abstract: The reals, the complex numbers, the quaternions, and the octonions are examples of division algebras of dimensions 1, 2, 4, and 8 respectively. The purpose of the talk is to outline the ideas related to the proof that finite dimensional real algebras exist only in dimensions 1, 2, 4, and 8.

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