CCSU

DEPARTMENT OF MATHEMATICAL SCIENCES

COLLOQUIUM

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

REAL DIVISION ALGEBRAS

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. I will try to provide the necessary background to a reasonable extent. Graduate students may benefit from seeing interactions of familiar concepts from algebra, topology and analysis.

Aftermath to follow at Castaneda's (across from Davidson's Hall)

For further information:
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