CCSU
DEPARTMENT OF MATHEMATICAL SCIENCES

COLLOQUIUM

Friday, October 1
3:00 – 4:00 PM
Maria Sanford, Room 101

CLIFFORD STATES
FOR UP TO FIVE QUBITS

FREDERIC LATOUR

CENTRAL CONNECTICUT STATE UNIVERSITY

Joint work with Oscar Perdomo

Abstract: We study the set of Clifford states, which is the set of vectors that can be reached from a certain starting point through multiplication by the matrices that form a group known as the Clifford group.

These concepts are useful in the study of quantum computing. The goal is to determine the number of Clifford states, to divide them into a number of easily understood equivalence classes, and to examine the relationship between the equivalence classes.

To join us online use the following link:
https://ccsu.webex.com/meet/gotchev

For further information:
gotchevi@ccsu.edu 860-832-2839
http://www.math.ccsu.edu/gotchev/colloquium/