

CCSU
DEPARTMENT OF MATHEMATICAL SCIENCES

COLLOQUIUM

Friday, October 13
2:00 – 3:00 PM
Maria Sanford, Room 101

FACTORIZATIONS OF PERMUTATIONS INTO TRANSPOSITIONS

FREDERIC LATOUR

CENTRAL CONNECTICUT STATE UNIVERSITY

ABSTRACT

In this talk, I will discuss several problems having to do with counting the number of ways of writing a permutation as a product of transpositions that satisfy a certain number of conditions. For example, we may require that the number of transpositions be minimal, or that the transpositions generate the symmetric group on n elements. An outline of the techniques used to solve each problem will be given.

This talk is based on research that I did with Professors I. P. Goulden and D. M. Jackson when I was an undergraduate.

For further information:

gotchevi@ccsu.edu 860-832-2839
castanedan@ccsu.edu 860-832-2851