CCSU
DEPARTMENT OF MATHEMATICAL SCIENCES

COLLOQUIUM

Friday, April 17
2:00 – 3:00 PM
Maria Sanford, Room 101

GENERALIZATIONS OF THE CAYLEY GRAPH

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ABSTRACT

The Cayley graph was defined by Arthur Cayley in 1878 as a means by which to visualize the generation of a group by a subset of its elements. We will give a brief introduction to Cayley graphs, then examine a generalization known as the BiCayley graph, and lastly, if time permits, we will define the nCayley graph and discuss some of its properties.