

On Cayley Graphs of the Form $C_n[1, a]$

Paul Savala

December 4, 2008

We discuss semitransitive graphs of the $C_n[1, a]$ family. Depending on the restrictions on a , these graphs may have Cayley representations. We explore when this occurs, and what we can say about the representation and the underlying groups. This talk is based on research done in Northern Arizona State University under Dr. Steve Wilson during the 2008 Summer REU program.