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Daniel Pellicer-Covarrubias* (dpellicer@matem.unam.mx), Universidad #3000, 04510 Mexico, DF, Mexico. *CPR-graphs and regular polytopes*. Preliminary report.

A CPR-graph is a graph associated with a permutation representation of a C-group (that is, the automorphism group of a regular polytope). We study a number of problems about regular polytopes that can be attacked by using CPR-graphs. In particular, we explain how polyhedra can be constructed that have alternating groups as automorphism groups. (Received February 21, 2006)