

1056-20-1895 **David G Radcliffe*** (david.radcliffe@century.edu), Mathematics Department, 3300 Century Ave N, White Bear Lake, MN 55110. *Hyperreflection groups*.

We generalize the definition of Coxeter group to include a wider class of groups, called hyperreflection groups. These groups are similar enough to Coxeter groups that many of the techniques in Coxeter group theory can be adapted to hyperreflection groups. At the same time, the definition is general enough to include other interesting groups, such as graph products and Artin groups. (Received September 22, 2009)