

1060-05-75

Dave Witte Morris*, Dept of Math and Comp Sci, University of Lethbridge, Lethbridge, AB
T1K 3M4, Canada. *Survey of hamiltonian cycles in Cayley graphs*. Preliminary report.

It was conjectured about 40 years ago that every connected Cayley graph has a hamiltonian cycle. This is easy to prove for Cayley graphs on abelian groups, but we are nowhere near a proof of the general case. The talk will discuss some of the progress that has been made, and some of the many open problems. (Received March 20, 2010)