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*From finite to infinite: hamiltonian structures in Cayley graphs*

A weaker version of the celebrated Lovász conjecture states that every finite, connected Cayley graph contains a hamiltonian cycle. Although infinite graphs cannot have hamiltonian cycles in the traditional sense, there are natural analogues. In this talk, we focus on one such analogue—a topological approach—and show that some known results for finite Cayley graphs can be extended to infinite Cayley graphs.