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An update on the Polycirculant Conjecture

One version of the Polycirculant Conjecture is that every finite vertex-transitive digraph admits a nonidentity semiregular automorphism. (That is, an automorphism which, when viewed as a permutation, has all cycles of the same length.) I will give an overview of the status of this conjecture, as well as describe some recent progress with Michael Giudici.