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Hannah L Breckbill* (breckbih@carleton.edu). *Fixing numbers of hypercubes and hypercube variants.*

The fixing number of a graph is the minimum number of points necessary to fix such that their pointwise stabilizer in the graph's automorphism group is trivial. Thus, the fixing number is most interesting in graphs with complex symmetries. We find the fixing number for several families of graphs, including the hypercube, hypercube powers, the augmented cube, and the generalized hypercube. (Received August 31, 2007)