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**Ryan Blair, Marion Campisi\*** ([marion.campisi@sjsu.edu](mailto:marion.campisi@sjsu.edu)), **Jesse Johnson, Scott A. Taylor** and **Maggy Tomova**. *Neighbors of knots in the Gordian graph.*

The Gordian graph is the graph with vertex set the set of knot types and edge set consisting of pairs of knots which have a diagram wherein they differ at a single crossing. Bridge number is a classical knot invariant which is a measure of the complexity of a knot. It can be refined by another, recently discovered knot invariant known as “bridge distance”. We show that each vertex of the Gordian graph is adjacent to a vertex having arbitrarily high bridge number and bridge distance. (Received August 20, 2015)