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**Wasin So\*** ([wasin.so@sjsu.edu](mailto:wasin.so@sjsu.edu)), Department of Mathematics and Statistics, San Jose State University, San Jose, CA 95192. *Automorphisms and Eigenvalues of Knodel graphs*. Preliminary report.

In this talk, we first define Knodel graphs and explain their role in the study of interconnection networks. Then we describe the automorphisms and eigenvalues of Knodel graphs, and deduce some interesting consequences. In particular, we show that Knodel graphs and hypercubes are not isomorphic even though both are regular bipartite graphs of same order. (Received August 19, 2015)