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Kaisa E Taipale* (taipale@math.umn.edu), 555 Vincent Hall, 206 Church St. S.E.,
Minneapolis, MN 55455. *The Abelian-Nonabelian Correspondence in Gromov-Witten Theory.*

Given a space X acted upon “nicely” by a group G , the abelian-nonabelian correspondence relates the quantum cohomology rings of GIT quotients $X//G$ and $X//T$, where T is the maximal torus $T \subset G$. In my poster, I will introduce the abelian-nonabelian correspondence and its K-theoretic counterpart, and present results on the extension of these results to quantum K-theory. (Received August 15, 2009)