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Joseph W Skelton* (jskelton@tulane.edu), 6823 St Charles Ave, Tulane University - Math Department, NEW ORLEANS, LA 70118. *Symbolic Powers of Cover Ideals and Koszul Property.*

We show that adding a whisker at the vertices of a cycle cover of a graph results in a new graph with the following property: all symbolic powers of its cover ideal are Koszul or, equivalently, componentwise linear. This extends previous work where the whiskers were added to all the vertices or to the vertices of a vertex cover of the graph. The presented results are from the joint work with Yan Gu, and Huy Tài Hà. (Received August 03, 2020)