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Jing Wang* (gwjwang@gwmail.gwu.edu), Department of Mathematics, George Washington University, 2115 G Street NW, Washington, DC 20052. *Homology of a Small Category with Functor Coefficients and Barycentric Subdivision.*

We analyze the classical result that barycentric subdivision preserves homology, and then generalize it to the context of a small category with coefficients in a functor to R-modules. (Received August 25, 2011)