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**Serban Raianu\*** ([sraianu@csudh.edu](mailto:sraianu@csudh.edu)), Mathematics Department, California State University, Dominguez Hills, 1000 E Victoria St, Carson, CA 90747. *Corings and External Homogenization*.

We give a coring version for the external homogenization for Hopf algebras, which is a generalization of a construction from graded rings, called the group ring of a graded ring. We also provide a coring version of a Maschke-type theorem. (Received August 17, 2014)