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Benjamin Seeger* (bseeger@math.uchicago.edu), University of Chicago, Department of Mathematics, 5734 S. University Avenue, Chicago, IL 60615. *Homogenization of pathwise Hamilton-Jacobi equations.*

I will present qualitative and quantitative homogenization results for pathwise Hamilton-Jacobi equations with “rough” multiplicative driving signals. When there is only one such signal and the Hamiltonian is convex, the equation, as well as equations with smooth approximating paths, homogenize. In the multi-signal setting, I will give examples to show that homogenization may or may not take place. (Received February 19, 2018)