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Changfeng Gui* (changfeng.gui@utsa.edu), **Zhuoran Du** and **Jie Zhang**. *Periodic solutions of nonlinear equations with a fractional Laplacian.*

We consider periodic solutions of some nonlinear equations with a fractional Laplacian, and show the existence of periodic solutions with large periods. Estimates of the energy of the periodic solutions are also established. (Received March 06, 2017)