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**Bryan Quaife\*** (bquaife@fsu.edu), 400 Dirac Science Library, Tallahassee, FL 32306, and **Nick Moore** (mnmoore2@fsu.edu), 1017 Academic Way, Tallahassee, FL 32306. *Eroding bodies in a Stokesian fluid.*

Erosion of solid material by flowing fluids plays an important role in shaping many objects in nature. For example, erosion of a porous media can be used to describe groundwater flow. I will describe a high-order and fast method that couples a boundary integral equation method with erosion equations to simulate the erosion of multiple bodies in a Stokesian fluid. (Received January 05, 2017)