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Bryan Quaife* (bquaife@fsu.edu), Department of Scientific Computing, Florida S, 400 Dirac Science Library, Tallahassee, FL 32311. *The Role of Adhesion in Vesicle Suspensions*.

Vesicle suspensions are an example of a complex Stokesian fluid that is often used to study capillary flow. In addition to the hydrodynamics, other physics that are important to incorporate include adhesion. I will propose an adhesion model, describe the related numerical methods, and describe the consequences of the adhesion model. (Received July 20, 2018)