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**Steven J Derochers\*** (sjderoch@ncsu.edu). *On the Semigroup Generator for the Total Linearization of a Hydro - Elasticity Model.*

We investigate the semigroup generator for the total linearization of a hydrodynamic model with respect to a forcing term. One of the key differences from the classical Stokes-elasticity system is that the elastic component gives rise to an elliptic problem with an oblique derivative, where the coefficients dependent on the curvature of the fluid-structure interface. We examine numerically and analytically the maximality of the evolution generator and the ellipticity of the elastic sub-problem. (Received January 14, 2015)