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Guoping Zhang* (guoping.zhang@morgan.edu), 1700 E Cold Spring Ln, Baltimore, MD 20854,
and **Mingchao Cai** (mingchao.cai@morgan.edu). *Normal Mode Analysis of 3D Incompressible
Viscous Fluid Flow Models*. Preliminary report.

In this talk, we investigate the normal mode solutions of 3D incompressible viscous fluid flow models with no-slip boundary condition. The obtained theoretical results are then applied to analyze several time-stepping schemes for the numerical solutions of the 3D incompressible fluid flow models. (Received September 19, 2018)