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Robert M. Strain and **Tak Kwong Wong*** (takwong@math.upenn.edu). *Axisymmetric flow of ideal fluid moving in a narrow domain: a study of the axisymmetric hydrostatic Euler equations.*

In this talk, we will introduce a new model to describe the leading order behavior of an ideal and axisymmetric fluid moving in a very narrow domain. Under a new sign condition, the formal derivation and mathematical analysis of this model will be discussed. (Received September 21, 2015)