Abstract Submitted
for the DFD13 Meeting of
The American Physical Society

Whirling skirts JAMES HANNA, Virginia Tech, JEMAL GUVEN, Universidad Nacional Autónoma de México, MARTIN MICHAEL MÜLLER, Université de Lorraine — Steady dihedral patterns, consisting of sharply peaked traveling waves, may be observed on a spinning skirt. These qualitative features are captured with a minimal model of flowing material on an inextensible, flexible, generalized-conical sheet rotating about a fixed axis. Analytical results indicate that Coriolis forces are essential for establishing the wave patterns, which arise only for a narrow range of Rossby number.

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Date submitted: 02 Jul 2013 Electronic form version 1.4