Philip Stephen Marcus

Mechanical Engineering

Publications

I. REFEREED PUBLICATIONS

A. Archival Journals


16. “Nonlinear Standing Waves in Taylor-Couette Flow”, Philip S. Marcus, with Tagg, R., 


18. “Models of the Great Red Spot”, Philip S. Marcus, Joel Sommeria, Steve Meyers, and 

223.


21. “Distinct Quasiperiodic Modes with Like Symmetry in a Rotating Fluid” Philip S. Marcus 

22. “Modulated waves in Taylor–Couette flows. Part 1 Analysis” Philip S. Marcus, K. Coughlin 


K. Coughlin, 1992 in *Ordered and Turbulent Patterns in Taylor–Couette Flow*, pp. 43 – 50 
ed. by C. D. Andereck and F. Hayot Plenum Press NY.

25. “Vortex dynamics in zonal flows” Philip S. Marcus and R. Van Buskirk in *Summer Study 


27. “A Spectrally Accurate Contour Method for Vortex Motion” Philip S. Marcus with R. Van 


32. “A model for eastward and westward jets in laboratory experiments and planetary 


48. “Persistent Rings in and around Jupiter’s Anticyclones - Observations and Theory”, de


B. Refereed Conference and Symposium Proceedings


20. “Enforcing Hard Physical Constraints in CNNs through Differentiable PDE Layer”, Chiyu


C. Articles in Nonarchival Magazines or Journals

II. BOOKS/REFEREED CHAPTERS IN BOOKS