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Sheldon H Katz* (katz@math.uiuc.edu), Department of Mathematics, University of Illinois, 1409 W. Green Street, Urbana, IL 61801. *BPS invariants of Calabi-Yau threefolds*. Preliminary report.

I will geometrically describe BPS (or Gopakumar-Vafa) invariants of Calabi-Yau threefolds in low genus and give evidence for their expected relationship to stable pair invariants. (Received February 03, 2009)