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Mark Levi* (levi@math.psu.edu), Mathematics Department, Penn State University, University Park, PA 16870, and **Graham Cox**. *Gaussian curvature and the gyroscopic effect*. Preliminary report.

I will give a brief description of the connection between the the gyroscopic effect and Gaussian curvature. In particular, Gaussian curvature appears in the equations of motion of the Lagrange top, as a very special example of a more general phenomenon. This is based on our joint work with Graham Cox. (Received September 03, 2016)