

METR 5113, Advanced Atmospheric Dynamics I
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Wednesday, 14 November 2018 (lecture 36)

- 4 handouts: Ekman soln + 3 pix (done on screen)

Suppose flow is geostrophic aloft (or nearly so). Friction becomes important near surface (where no-slip condition is imposed) and destroys the geos balance near the surface. In its place, get a 3-way balance btw Coriolis force, friction force and pgf. Lets see what the flow looks like in this 3-way balance.

[go through the Ekman handouts].