Problem Set #6

ADVANCED SYNOPTIC METEOROLOGY

METR 5413

Spring 2020

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Handed out: Tuesday, 7 April 2020

Due: Tuesday, 14 April 2020

Work the solutions to the following problems in Vol. II: 2.29 (sketch the streamfunction), 2.40, 2.28, and 2.42.

Also, show that the x-component of the vector frontogenesis function (2.5.30) is rotationally invariant. Hint: See pp. 83-85 in Vol. I.