

AME 538

Homework 28

Due: Wednesday, 15 November 2000, in class

1. Panton 18.2, p. 542, take instead  $F = Uz^3$  give a single computer-generated plot which contains both the streamlines and constant potential lines.
2. Panton 18.3, p. 542, give two computer-generated plots: 1) one with lines of constant  $\psi$  and  $\phi$ , 2) another with lines of constant  $\hat{\psi}$  and  $\hat{\phi}$ .