

CIEG 305

Homework #6 Due **Friday October 19, 2006**

1. P3.19 White
2. P3.23 White
3. P.3.28 White
- 4 . P3.32 White
5. P3.40 White



Extra Credit (worth 2 points): P3.24 White. In matlab, make 3 contour plots (1 for  $t = 10s$ ,  $t=50s$  and  $t=100s$ ) for  $h$  as a function of  $d$  (starting at 1mm by 1mm increments to 2 cm) and  $\theta$  (starting at  $5^\circ$  by increments of  $5^\circ$  to  $80^\circ$ ). Assume for this work that  $K= 0.2$ .