

Wk 6-7 Problems

6.7

6.9 -> Use Eq 3.5 to find V_2 . Repeat the calculations of dH , dS and dU using data from NIST

6.14 -> calculate at least 1 of these by hand and do the rest using the excel spreadsheet posted on the course website

6.36a -> use NIST or the steam tables in SVNA

6.39 -> use NIST or steam tables in SVNA

6.40

6.41 -> use NIST or steam tables in SVNA

6.43a -> use NIST or steam tables in SVNA

6.47

6.50 -> use generalized correlations in tabulated form

6.51 -> use analytical generalized correlations

6.58 -> use vDW equation of state and analytical generalized correlations (you can verify your calculations using the spreadsheet posted to the website)