Computational Assignment 1

1. [**Due 8th Feb 2020, 2pm**] You are given that ..... equation-of-state can accurately obtain the PV diagram of ..... Using MATLAB obtain the PV diagram of this system. A sample PV diagram is shown below for your reference. Also obtain the critical temperature of your system from the MATLAB program. Submit a two-page report detailing your equation-of-state, source of data for the system and your program; along with the original MATLAB codes. [HINT: You may use 'roots' or 'fzero' functions in Matlab to obtain roots of your polynomial equation.]

[NB: Please contact TA's (Nikil, Aditya and Krishna) to fix up your system.]

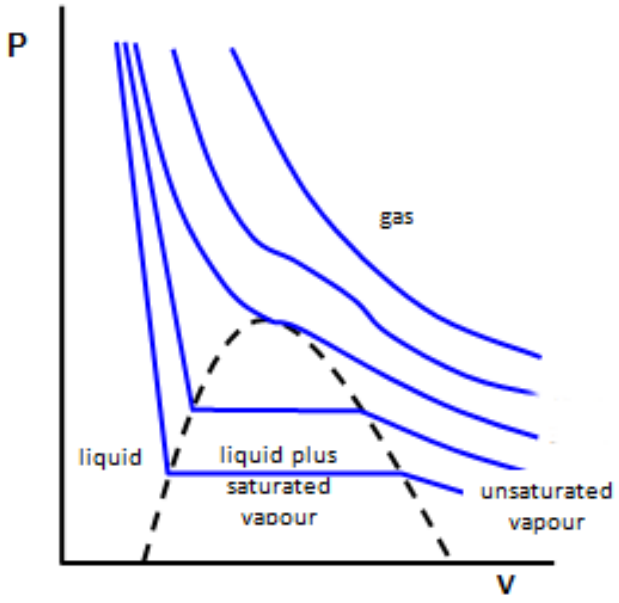

Figure 1: The figure used is in public domain.