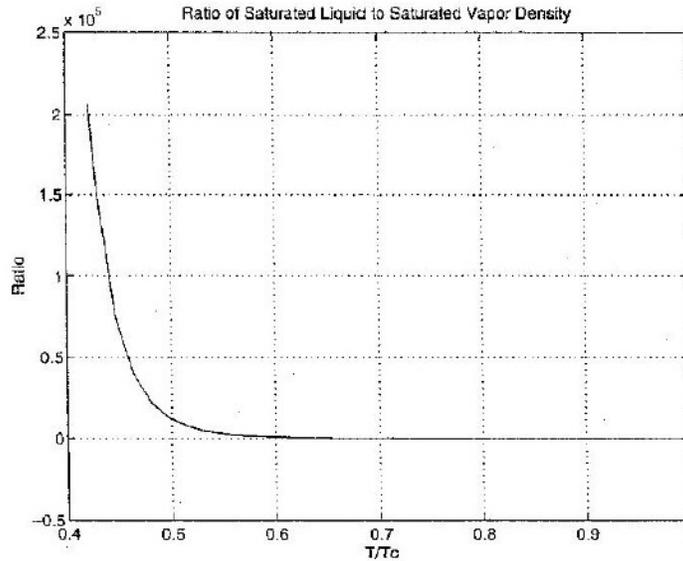
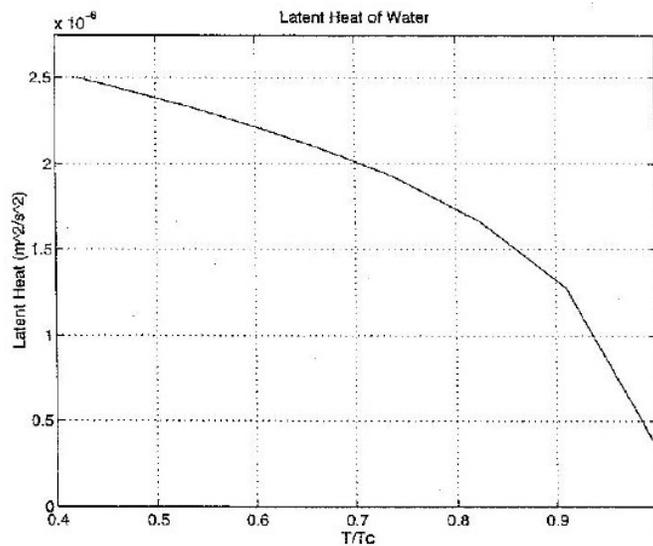


### Solution to Problem 100A:

- The temperature and pressure at the triple point of water:  $T_t = 273^\circ K$  ;  $p_t = 611Pa$
- The temperature and pressure at the critical point of water:  $T_c = 647^\circ K$  ;  $p_t = 22.1MPa$



- The temperature and pressure at the triple point of oxygen:  $T_t = 54.3^\circ K$  ;  $p_t = 150Pa$
- The temperature and pressure at the critical point of oxygen:  $T_c = 155^\circ K$  ;  $p_t = 5.08MPa$
- It tends to zero as shown below for water.



- It tends to zero linearly as shown below for water.

