

### Problem 100A

Use the library to:

- Find the temperature and the pressure at the triple point of water.
- Find the temperature and the pressure at the critical point of water.
- Plot the ratio of the saturated liquid density to the saturated vapor density for water as a function of temperature all the way from the triple point to the critical point.
- Find the temperature and the pressure at the triple point of oxygen.
- Find the temperature and the pressure at the critical point of oxygen.
- What happens to the latent heat of vaporization as the critical point is approached?
- What happens to the surface tension of the liquid as the critical point is approached?