

```
% Case - 2
% Given Parameters: Di = 500mm; t = 20mm; Pi = 2.75MPa
% sigma_r = Radial Stress
% sigma_t = Hoop / Circumferential Stress
% sigma_l = Longitudinal Stress
[sigma_r,sigma_t,sigma_l] = Pressure_Vessel(20,500,2.75)
```

Thin Pressure Vessel is required.

```
sigma_r = 0
sigma_t = 34.3750
sigma_l = 17.1875
```