

Aorta calculations for heart valve, 6/7/00  
From Pilkey, TA 407.2.P55 1994

		SI Units	
P1(MPa)=	0.04	40000	N/m^2
a(cm)=	1.5	0.015	m
v(-)=	0.25	0.25	
E(GPa)=	200	2E+11	N/m^2
h(cm)=	0.1	0.001	m
wo=		7.47E-06	m
		LHS	RHS
		0.010125	1.01E-02

sigma,ro= 8.37E+06 (N/m^2)  
8.37E+00 MPA