Short Rectangular Membrane Stress and Deflection Calculator		
Pressure on membrane p =	0.6000	lbs/in^2
modulus of elasticity E =	3,200.0	lbs/in^2
length a =	4.0000	in
width b =	2.0000	in
thickness of membrane t =	0.1250	in
Coefficient "x" axis variable a / b =	2.0000	-
is a / b < 5?	Yes	Valid
Coefficient n_1 =	0.16	-
Coefficient n_2 =	0.25	-
Coefficient n_3 =	0.10	-
Coefficient n_4 =	0.04	-
Coefficient n_5 =	0.08	-
Coefficient n_6 =	0.34	-
Coefficient n_7 =	0.10	-
Calculated Results		
Eq. 1 deflection at center δ =	0.1163	in
Eq. 2 Center of plate f_x =	26.4154	lbs/in^2
Eq. 3 Center of plate f_y =	10.5662	lbs/in^2
Eq. 4 Center of short side f_x =	4.2265	lbs/in^2
Eq. 5 Center of short side f_y =	8.4529	lbs/in^2
Eq. 6 Center of long side f_x =	35.9250	lbs/in^2
Eq. 7 Center of long side f_y =	10.5662	lbs/in^2