



Coastal Construction Manual

FORMULA CALCULATOR 11.12 Vertical Distribution of Seismic Forces

S_{DS} :		F_x =	lb
w_x :			
R :			

$$F_x = 1.2S_{DS}w_x / R$$

F_x = force at level x

S_{DS} = (See Formula 11.11)

w_x = portion of the effective seismic weight in lb at level x

R = Response Modification Coefficient for structural system