

Calculate force distribution along length of spar

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function force = Calc_force(x,Mass,L)
% Input - x (length discretization), Mass, Length of spar;
% Output - force at each node

% force is linear in nature - cX
% integral(cx dx)=2.5*Weight/2 - c = 2.5*Weight/L^2

g = 9.81; % m/s^2
c = 2.5*Mass*g/L^2;
force = c*x;
force = flip(force);
end
```

