

Homework H2.A

Given: The tensions in cables CA and CB are given by T_{CA} and T_{CB} , respectively.

Find: The n - t components of the resultant of the vector forces acting on OC due to the cables and F .

Use the following parameter values in your analysis: $L = 5$ m, $T_{CA} = 5$ N, $T_{CB} = 10$ N, $F = 15$ N, $h = 3$ m and $\theta = 53.13^\circ$.

