



Ignore top left pin



I am trying to model this extentention in robot ! I have carried out preliminary testing putting loads on the beams before the windows were put in to test the beams deflection when a point load applied to the end of the beams.

I am no trying to model as similar as possibl this structure in robot. I need to get a model which when a point load of same magnitude as done in live testing is put on the end of the beam gives me a similar deflection .

So I am trying to make three models getting more complex each time.

First model is rigid at those two points

Second model possibly rigid/pinned (elastic ) with stiffness

Then third possibly a spring at the top left hand roller ?!

What suggestions could u give !? do u understand my problem ? thank you