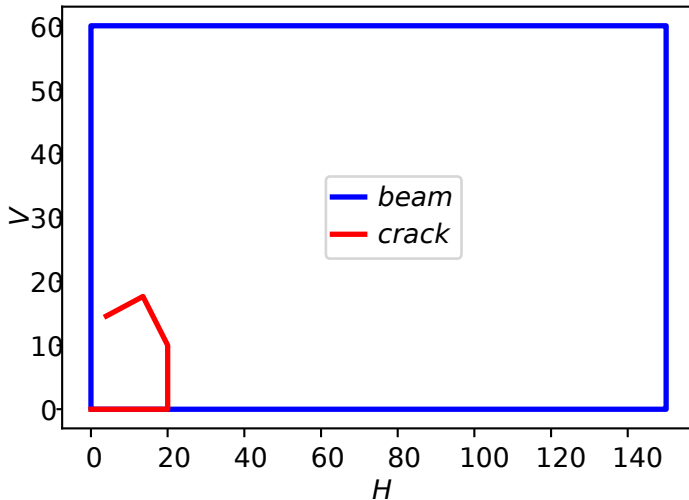
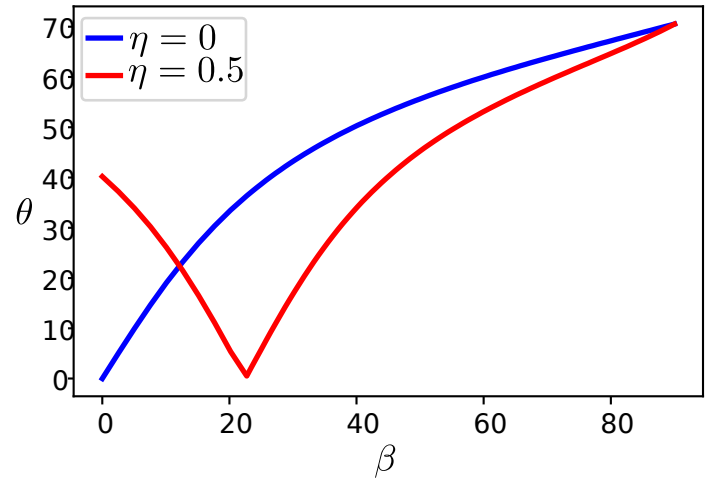
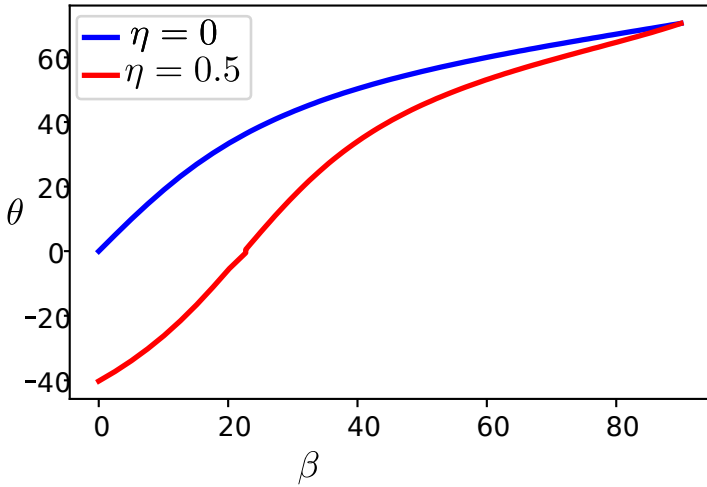
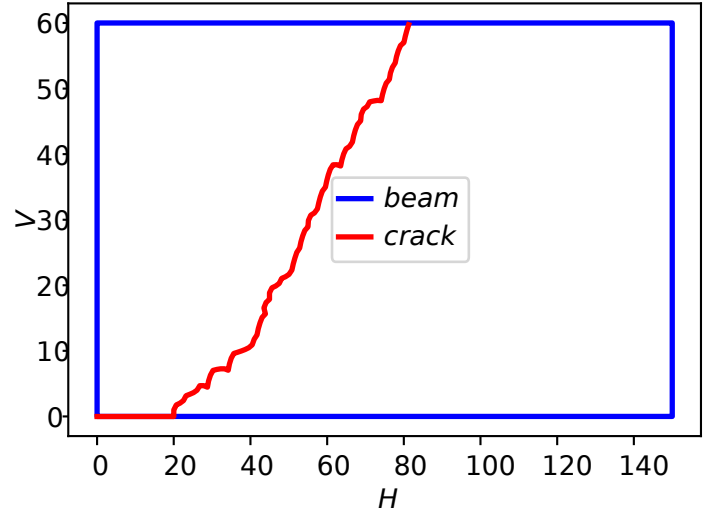


Comparison of Studies



Observation:

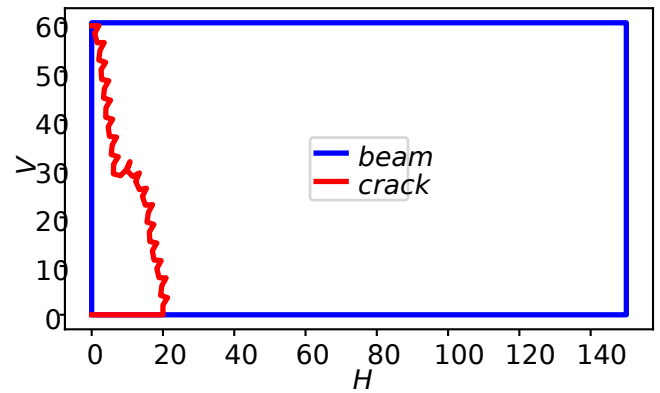
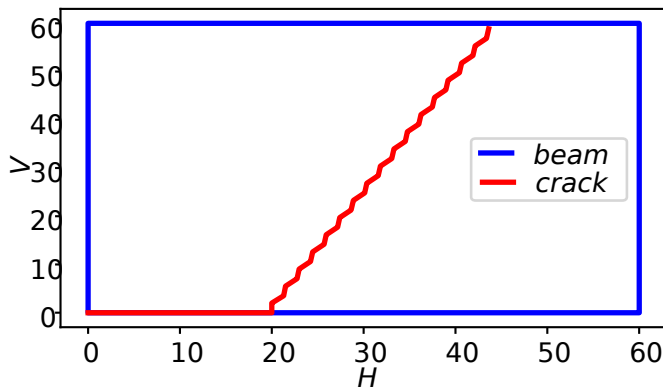
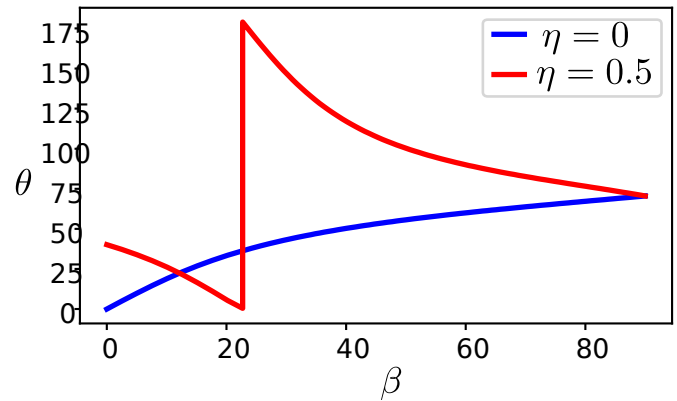
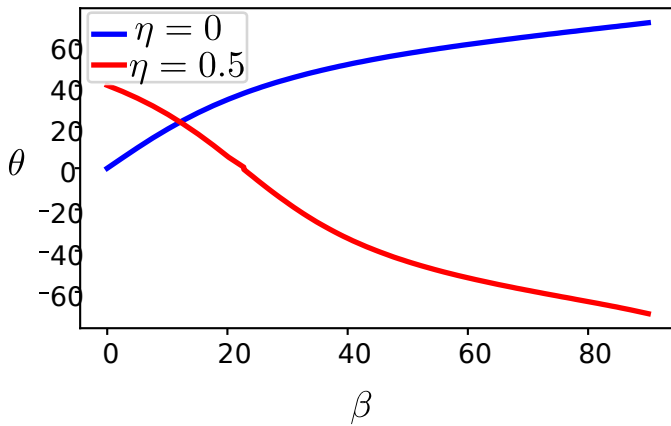
By flipping the curve it is visualized that the crack bends down on the left side and furthermore, it keeps moving down which is realistically not possible.



Observation:

Following this layout of crack propagation angle with inclination angle it is visualized that the crack can propagate in quite acceptable way. However, a slight assumption is made that when the angle of propagation increases more than 90 degrees then an assumption is made to propagate the crack upwards.

Comparison of Studies



Observation:

If the curve is flipped after the point crack propagation reaches zero then it is observed that the crack propagation will yield constant growth possessing almost same angles which seems realistic because the far field condition is fixed.

Observation:

By changing the root when crack propagation reach 0 degrees shows that crack will propagate in the manner depicted above which seems quite unrealistic due to the fact that the crack bends downward after alternate steps and seems unrealistic.