Initial results of Sugar's nonlinear beam model function

Nonlinear beam, varying Fy

Nonlinear vs. Linear
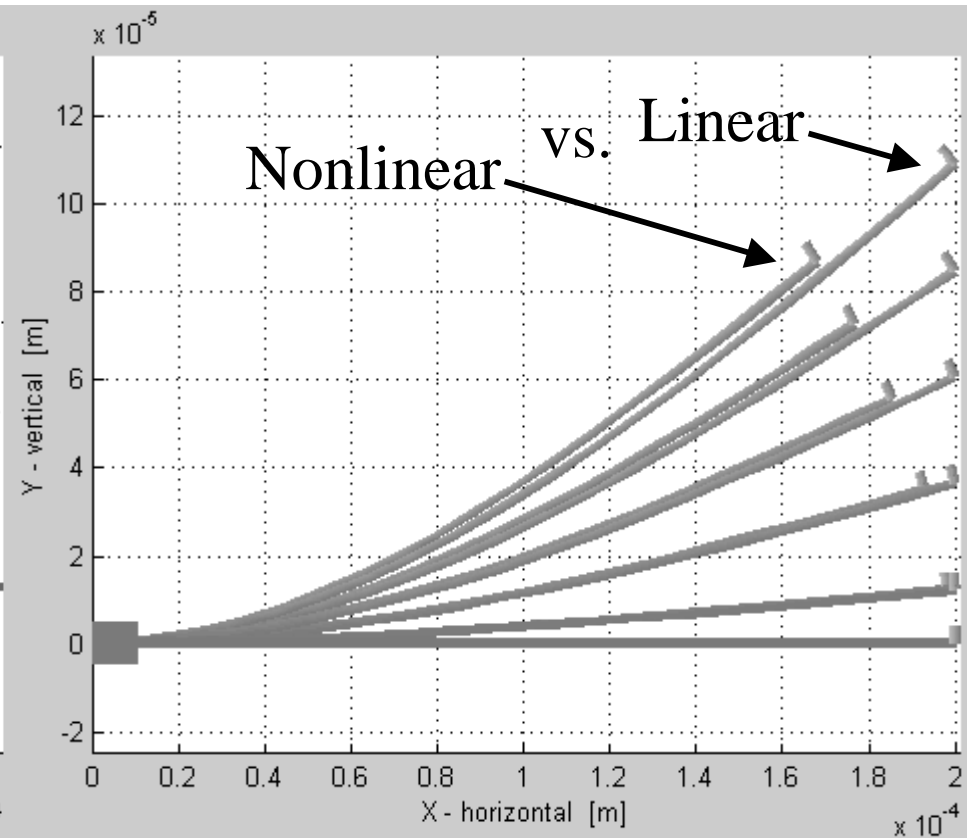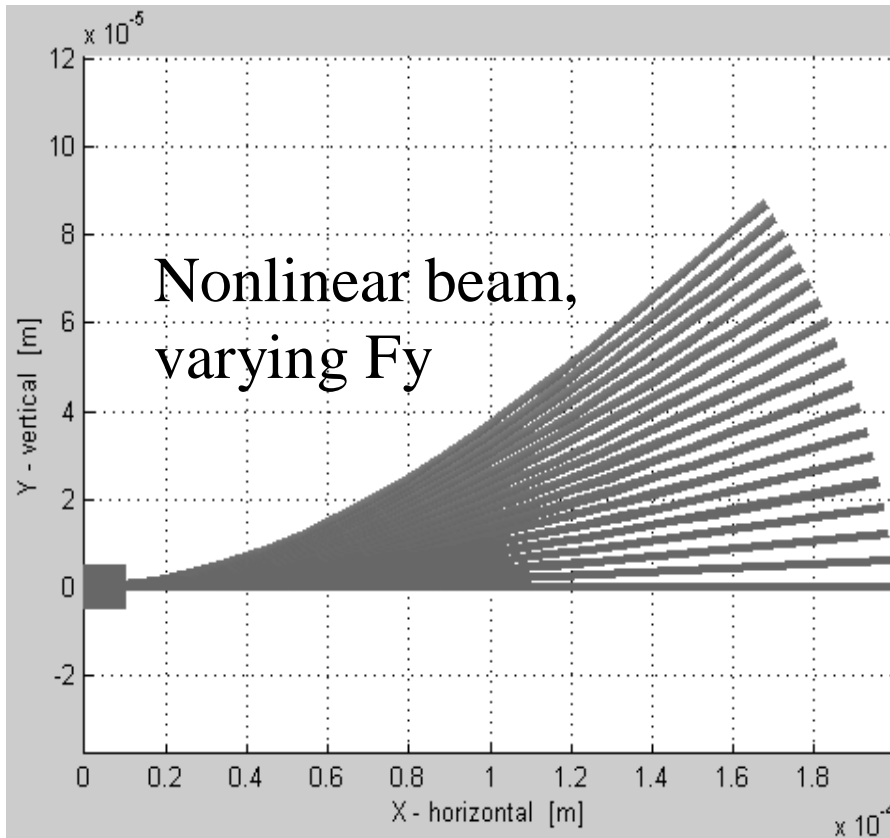
Netlist (right Fig.): sweeping Fy=0:9µN

```
uses mumpsx.net
anchor      p1 [A]      [l=10u  w=10u]

beam3dnl1  p1 [A B]    [l=200u w=2u h=2u oz=0]  %Nonlinear beam
beam3d     p1 [B b]    [l=4u  w=2u h=2u oz=90]  %beam tip

beam3d     p1 [A C]    [l=200u w=2u h=2u oz=0]  %Linear beam
beam3d     p1 [C c]    [l=4u  w=2u h=2u oz=90]  %beam tip

param f
f3d         * [B]      [F=f oz=90]
f3d         * [C]      [F=f oz=90]
```