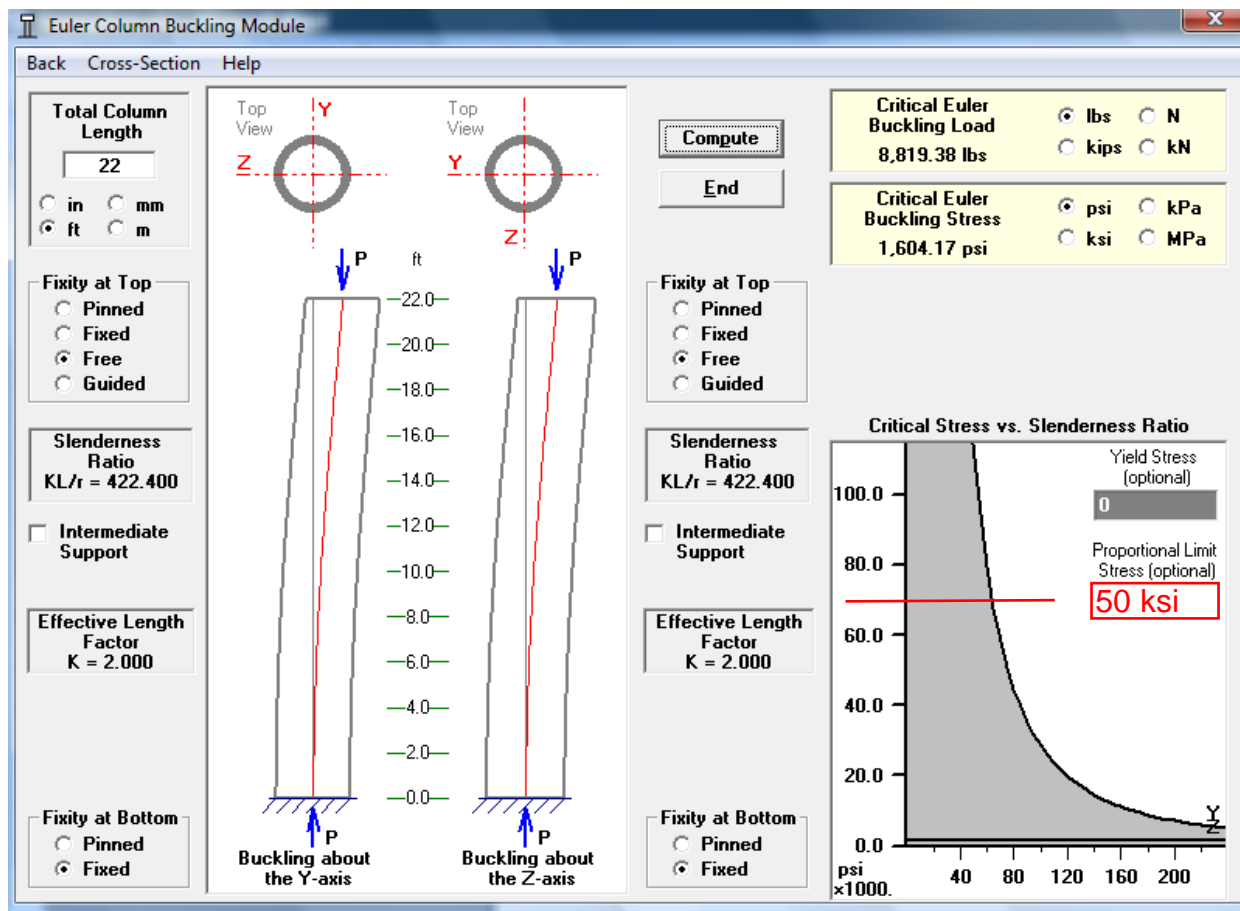


SLIPSTICK 1984



Assumptions

- Circular pipe cross section with outside diameter of 4in and inside diameter of 3in. The actual cross section varies along the length of the pole; this is an estimation of the actual cross section
- Length of 22ft, determined by assuming a height of 6ft for the person on the bike beside the street lamp (the lamp is ~3.7x the height of the person)
- Modulus of 29,000 ksi (steel)

Result

Since a Volkswagen bug frame weighs approximately 500lb* and is well under the critical buckling load of 8819lb, this column is extremely safe and will not buckle, proving the superiority of engineers once again.

*approximate weight of bug obtained from consultation with an "expert" in this particular field who wishes to remain anonymous