How to include P-Delta effect in analysis

The two primary means for including P-Delta effect in nonlinear analysis include:

1. For each load combination, create a nonlinear analysis case which includes the P-Delta geometric-nonlinearity parameter.
2. For the gravity loads anticipated, create an Initial P-Delta Analysis case which includes the P-Delta geometric-nonlinearity parameter, then consider all other analyses as linear while using the stiffness matrix developed for this one set of P-Delta loads.

See Also

- CSI Watch & Learn video series, SAP2000 Tutorial 5, P-Delta Analysis