

Question 38

Q: Does Femtet support nonlinear materials in the analysis?

A: Femtet supports elastoplastic, creep, viscoelastic, and superelastic materials.

Femtet allows users to select Elastoplastic/bilinear or elastoplastic/multilinear. By combining with creep materials, Femtet allows for elastoplastic creep analysis utilizing power law as a creep law.

Viscoelastic materials are used to analyze deformations or other properties of resin or polymer materials with respect to time or temperature variation.

Superelastic materials are used to analyze large displacements of rubber or foam materials.