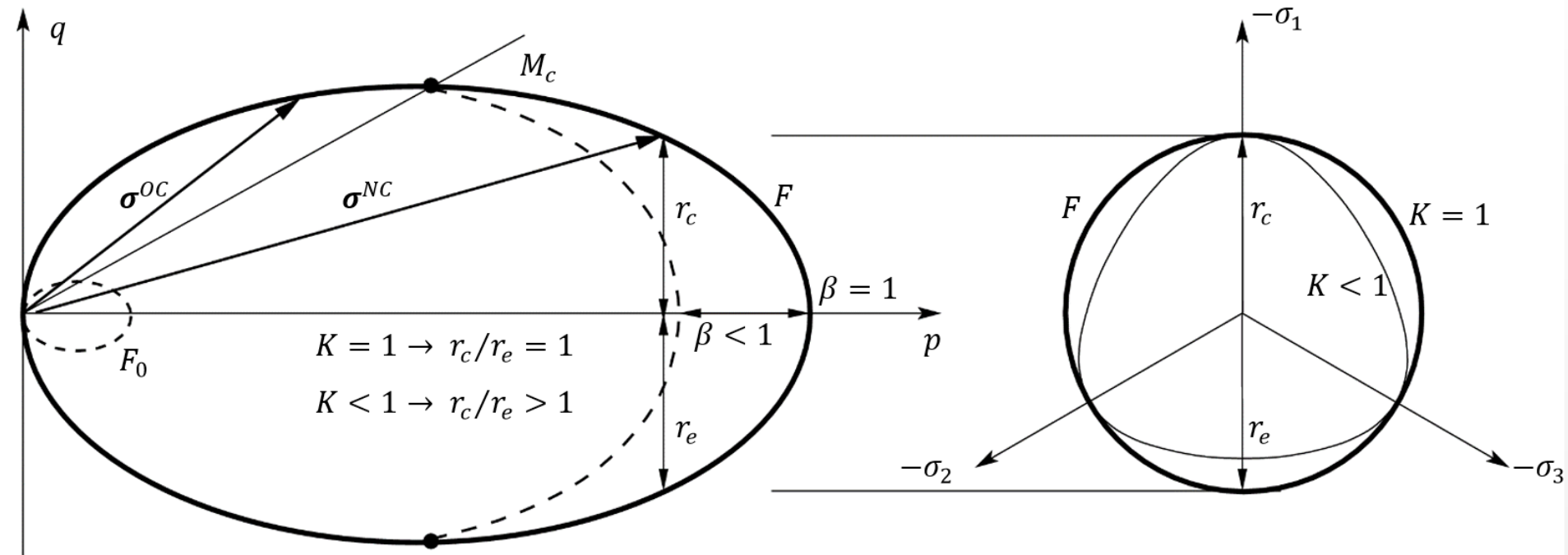
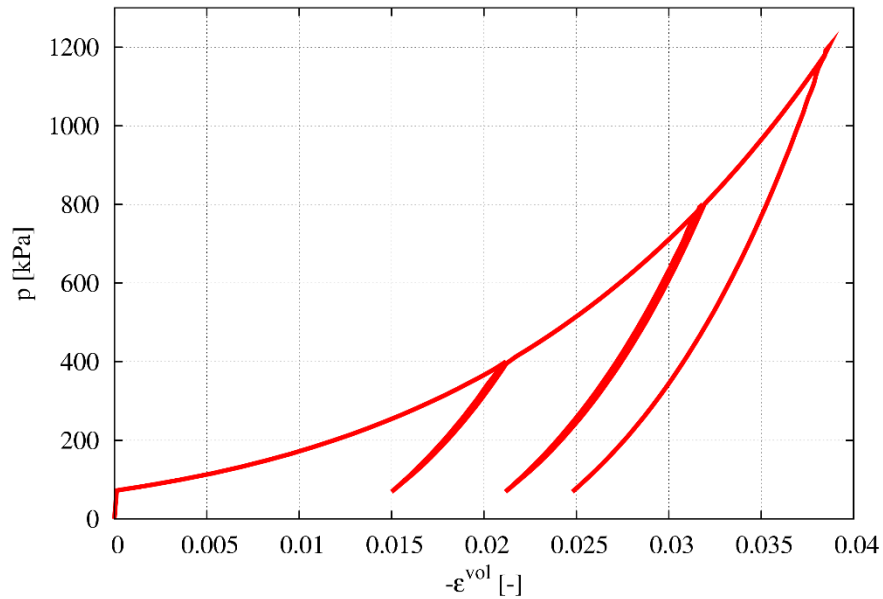


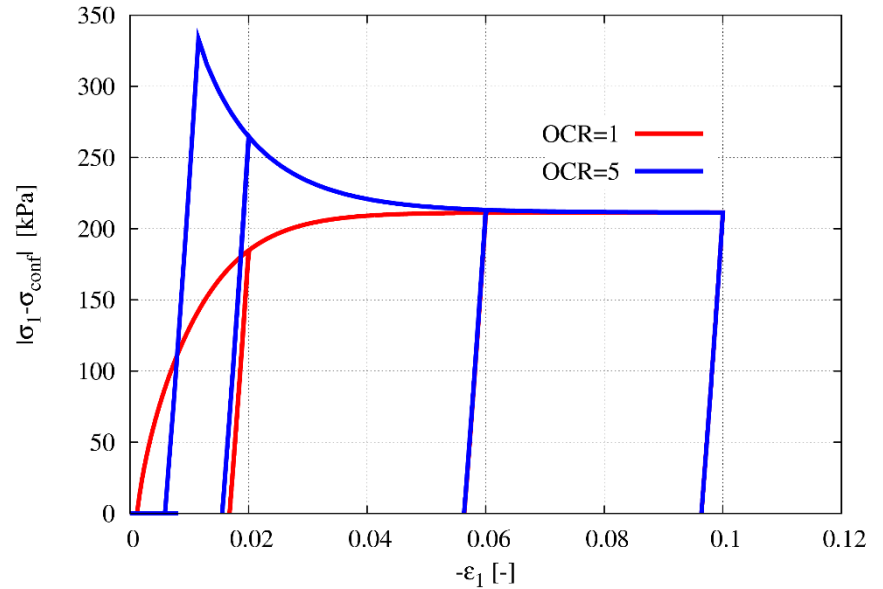
Modified Cam-clay plastic material law with nonlinear porous elasticity

The modified Cam-clay model is a widely used plasticity model for the treatment of soil problems. In combination with the porous elasticity law, it is a powerful soil model to describe nonlinear elasto-plastic deformation behavior of soil for example of sand or clay. However, the porous elasticity law is also applicable for diversity of porous materials as metal or polymer foams.





Drained hydrostatic compression simulation with loading/unloading loops



Drained compression simulation with constant confining pressure: normal (OCR=1) and over consolidation ratio (OCR=5)

Shallow strip foundation problem: equivalent plastic strain evolution triggered by the footing pressure load

