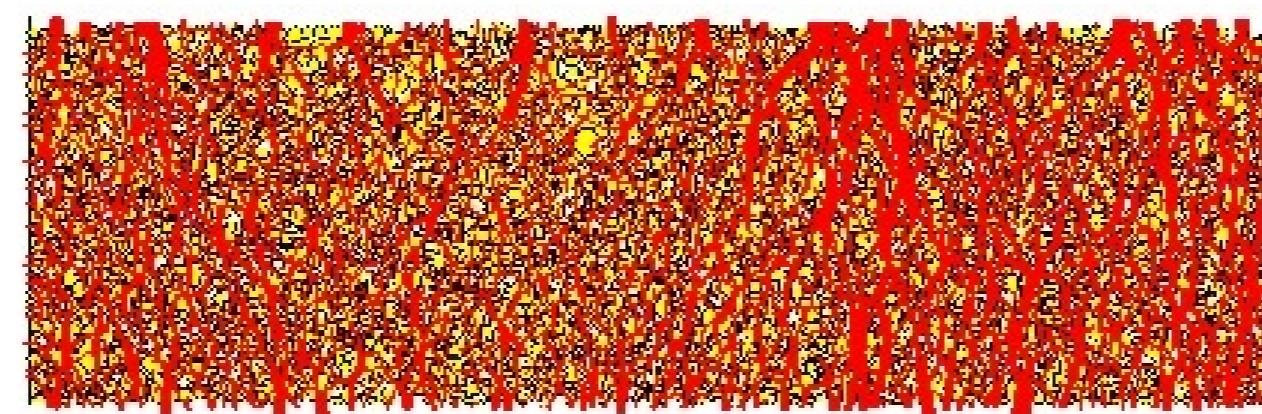
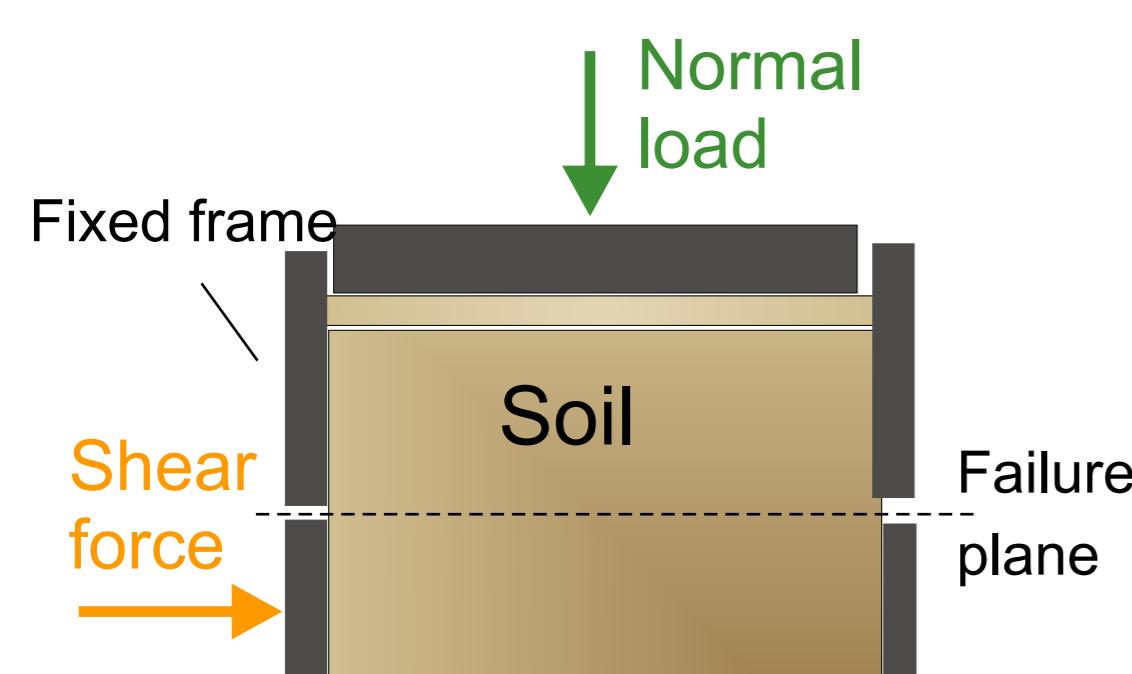


University of Duisburg-Essen

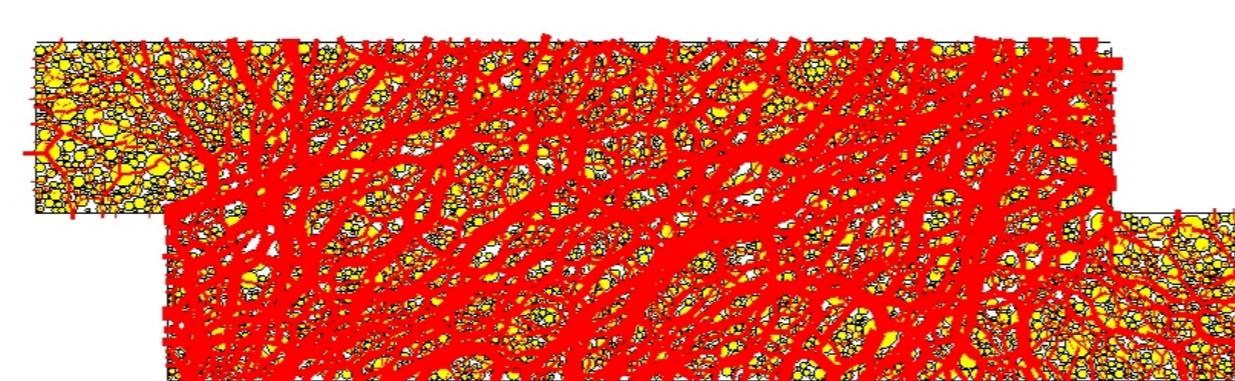
Institute for Foundation Engineering and Soil Mechanics

Prof. Dr.-Ing. W. Richwien

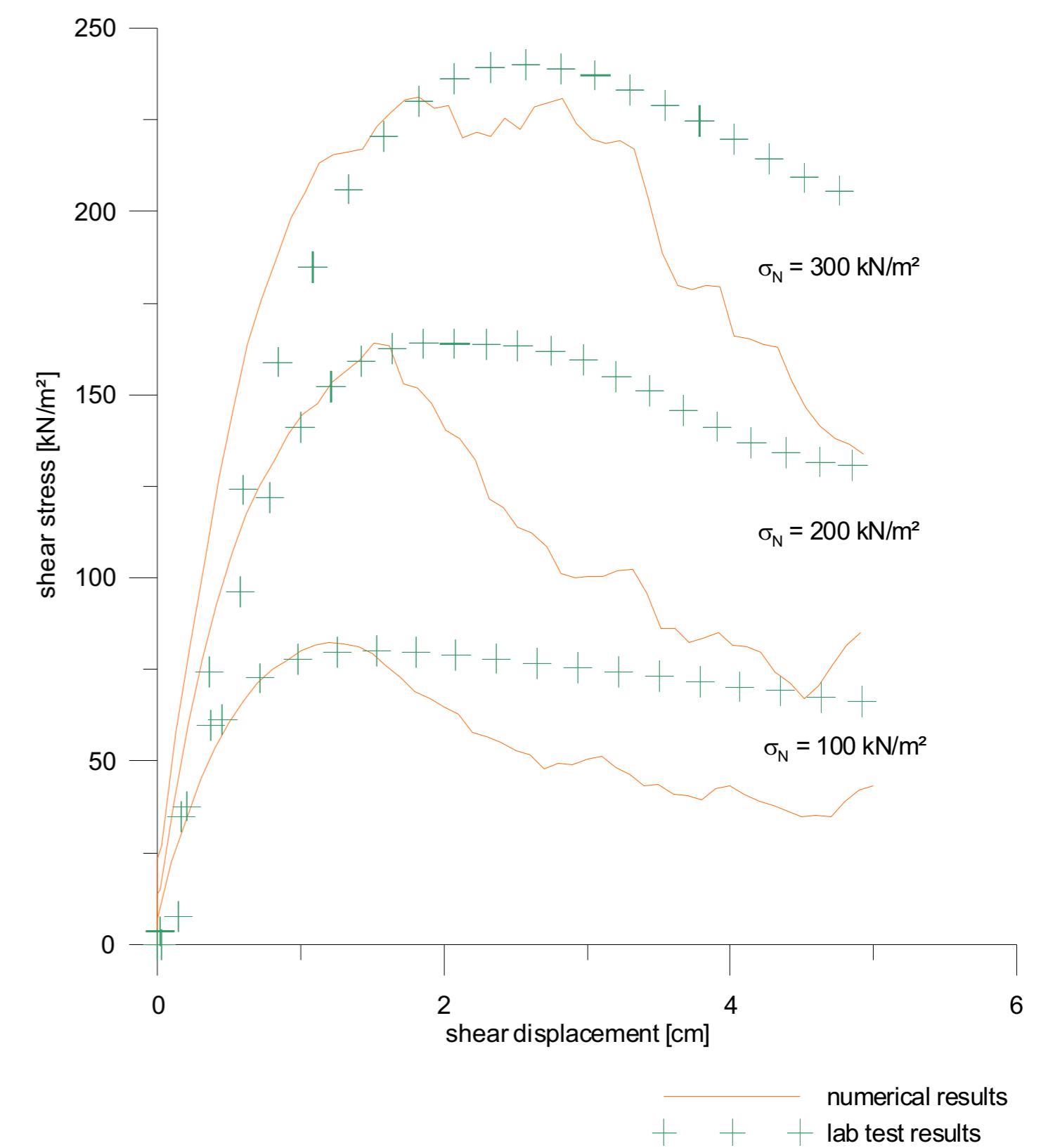
Modelling of Direct Shear Tests with



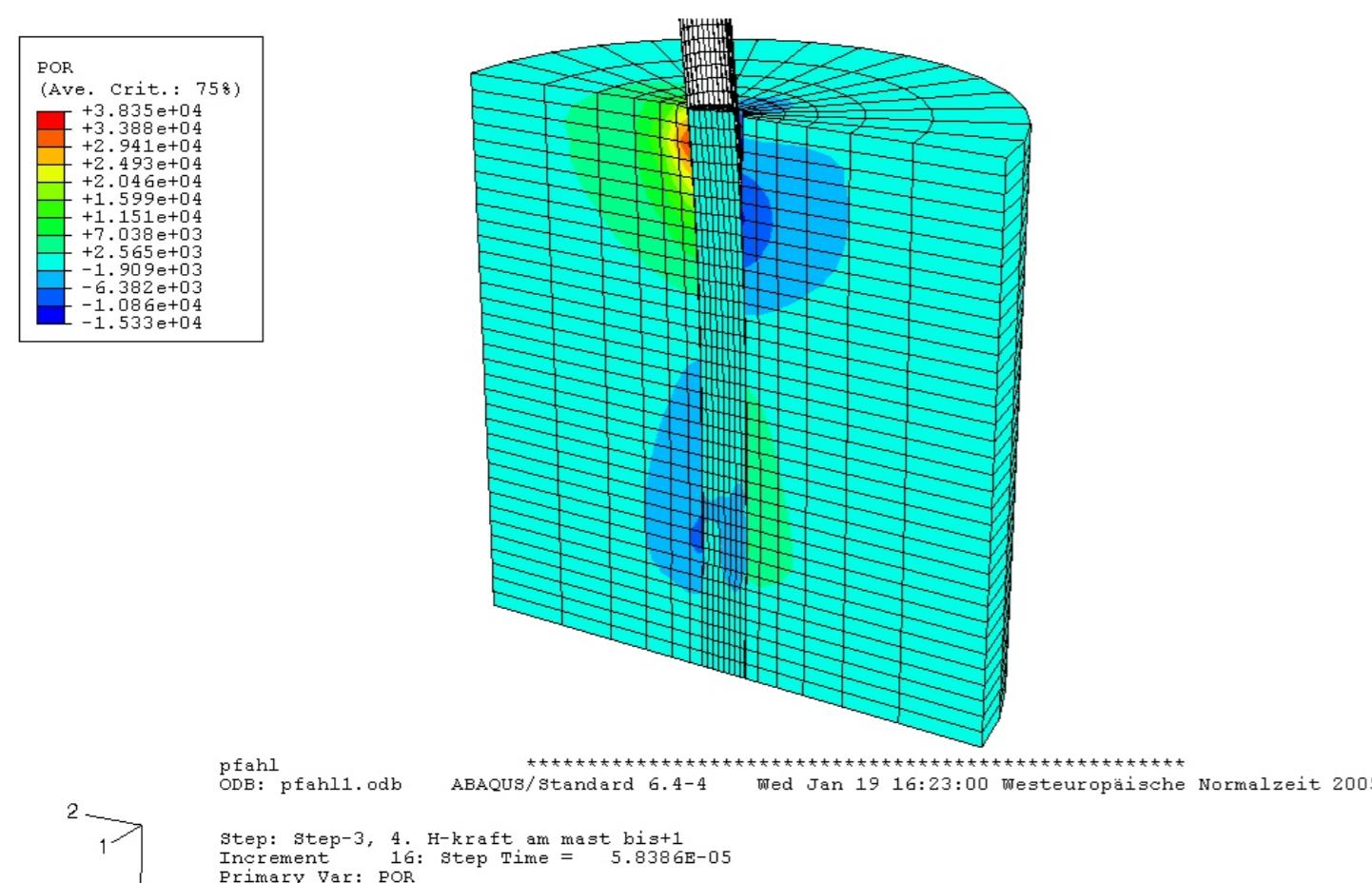
Soil and contacting force inside the shear box before shearing



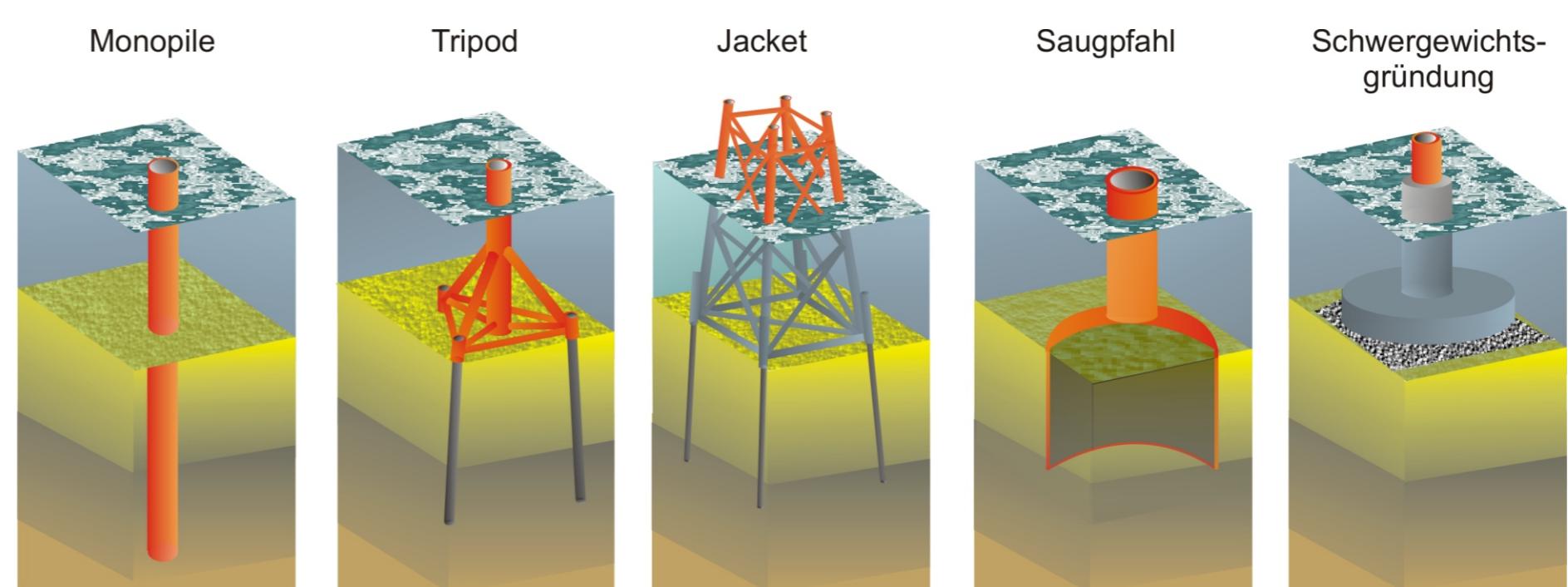
Soil and contacting force inside the shear box at the end of shearing



Modelling of Monopiles with ABAQUS



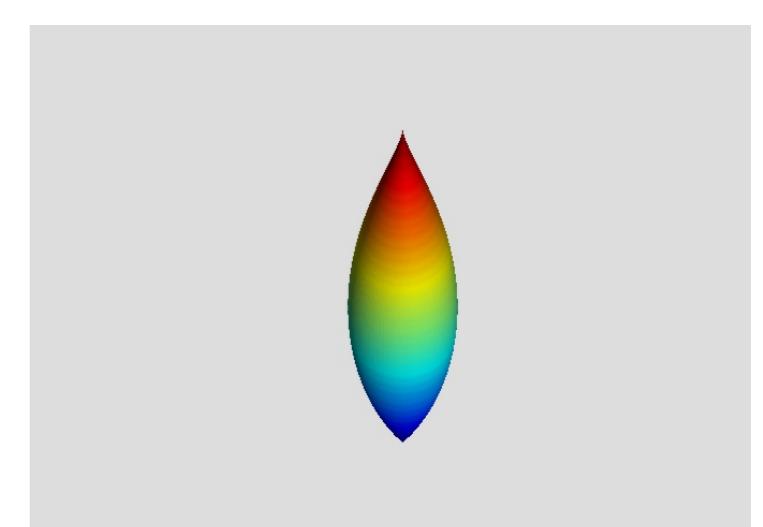
Generated pore water pressure in the nearfield of a pile



Concepts of the foundation for offshore wind energy converters

Other current research projects

- Consistent System Law for the Foundation Soil-Interaction (Single Surface Hardening Model)
- Stability of Sea Dikes
- Capacity of impact and vibro-driven Piles



Failure surface of the SSH-Model