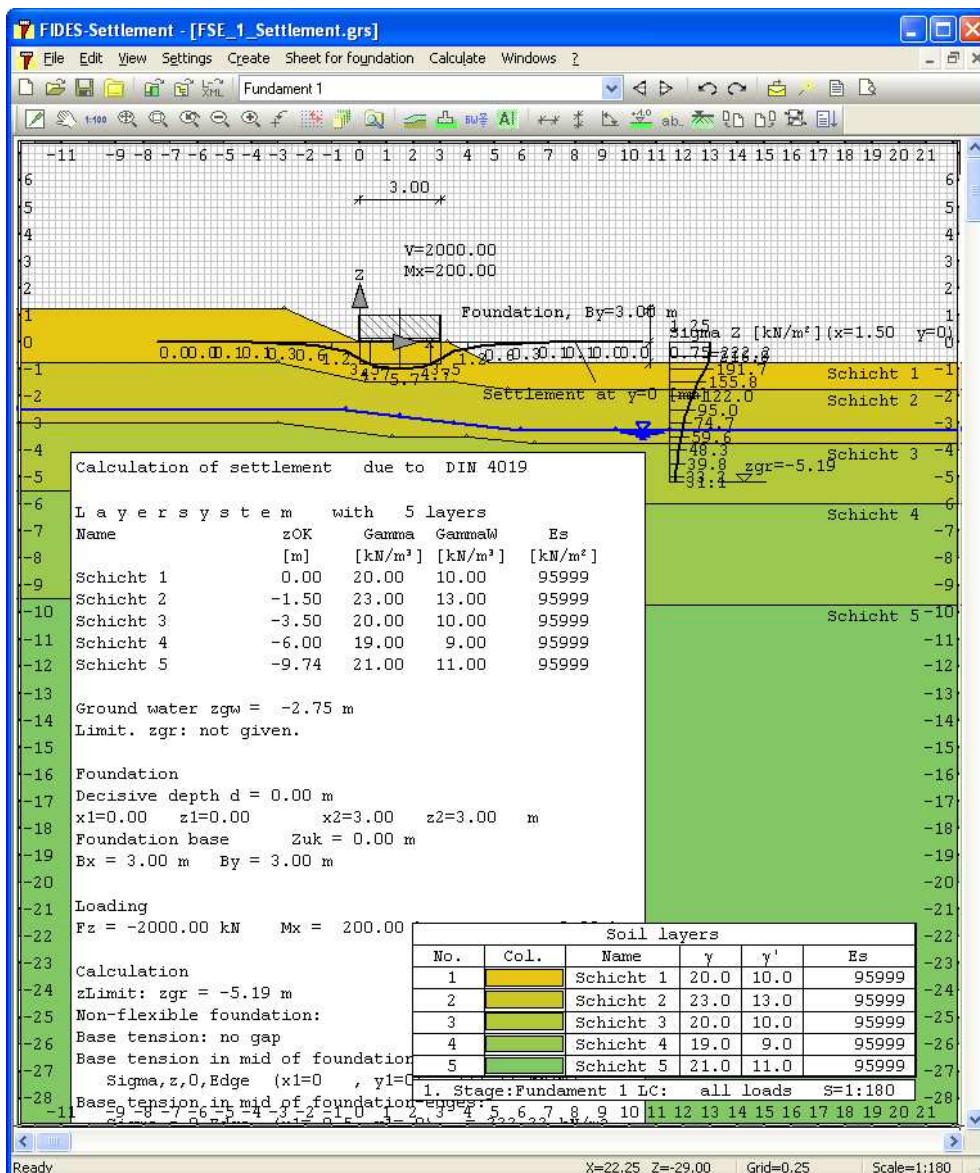


FIDES-Settlement

Calculation of Settlements for single foundations according to DIN 4019

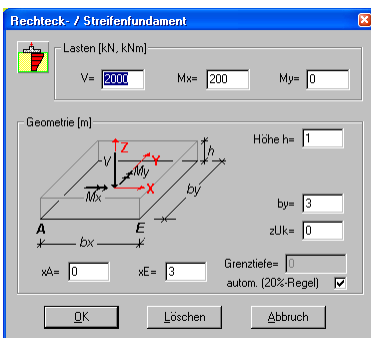
Increased building densities in the cities make accurate predictions of deformations and settlements necessary. The method according to DIN 4019 offers good comparability to other calculation methods, it is widely used and can be easily verified by a sample paper calculation. With FIDES-Settlement you can determine the settlements of rectangular-, circular- and strip foundations in a simple and fast way .



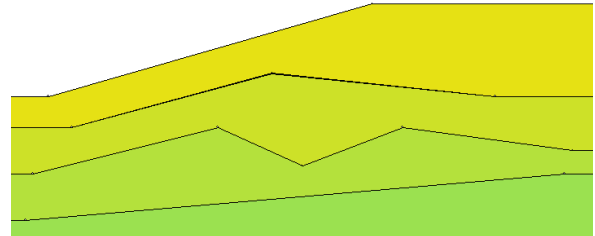
Performance characteristics

User interface

- Object oriented graphical user interface
- CAD-like input functionality
- Input of properties of the layered soil by drilling profiles in combination with the soil layer database used by all FIDES series of geotechnics programs in common.
- Windows standard like e.g. undo and redo for all actions, copy & paste, context popup menu, system-explorer, ...



- Arbitrary number of inclined, polygonal soil layers with automatic mapping to the foundation



Results

- Settlements as isoline curves
- Settlements in matrix dots
- Settlements on significant points of the foundations
- Results with mixed text and graphic as MS-Word or RTF-format.

Calculation

- Settlements due to DIN 4019
- Circular, rectangular- and strip foundations
- Arbitrary number of soil layers
- Multiple building stages
- Consideration of groundwater levels

Application range

- Calculation of Settlements at any soil layer situations
- Realistic representation of the effects from excavation stages

