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Testing Frameworks for ConFem (Python Tests für ConFem)

Testing written code is one of the most important task in modern everyday routine of programmers. A well-designed testing framework can save an enormous amount of time, due to the ease of error finding. The progress in the last years has lead to powerful tools, which provide a range of methods for automatic testing, especially for the widely used programming language Python. In the present thesis a selection of testing frameworks for Python shall be compared.

Thereby a preferred variant for testing the open-source finite elements programme ConFem, which has been developed on the Institute of Concrete Structures, shall be proposed and adopted.

Contact person: Dipl. -Ing. Jörg Weselek
Tel.: 0351 463-33675
Joerg.Weselek@tu-dresden.de