Chapter E. How to ensure quality?

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Below are some simple advice to assess the quality of the finite element calculations. The principal challenges are:

- The proper use of the software
- The appropriate modeling of the structural behavior
- The traceability of the modeling hypotheses and results

The advice below covers the engineer’s or the team’s handling of the software, the verification controls that must imperatively conduct any engineer at the end of its modeling, and the tracing of the minimum items so that the work can be completed thereafter.

E.1 Starting with a new software

E.2 Model validation using self-checking

E.3 Traceability and group work

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