

WTNA107 - Axisymmetric modeling of the heating of an element saturated with water

Summary:

This test represents the heating of an element saturated with water with taking into account with mechanics. It is about a case test of nonregression without physical reality. It makes it possible to test modeling coupled thermo-hydro-mechanics of the type: `AXIS_THM*` in monophasic water (`LIQU_SATU`). It is the axisymmetric version of the case test WTNL101.

Modeling a:

- Modeling `AXIS_THM`
- Coupling: law `LIQU_SATU`

Modeling b:

- Modeling `AXIS_THMD` (lumpé)
- Coupling: law `LIQU_SATU`

Modeling C:

- Modeling `AXIS_THMS` (selective)
- Coupling: law `LIQU_SATU`

This documentation is voluntarily brief.