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Person in charge of the course

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Course concerned

Finite element methods for solving diffusion equations (year 4);
Finite element methods for transient problems (year 4)

General motivation of the use of Code_Aster in this course

- Help the students to have a deep understanding in FEM
- Prepare the students to be familiar with the powerful FE solver

Fields of modeling

- structural mechanics, heat transfer problems

Nature of the uses

- use the solver to complete mini projects and to analyze practical problems

IT configuration

- Linux cluster (IBM Bladecenter, 64 cores)

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