



Sino-French Institute of Nuclear Engineering & Technology
Sun Yat - Sen University

Tangqi Rd.Zhuhai, **Guangdong**, P.R. **China**, 519082.

www.sysu.edu.cn

Person in charge of the course

Professor Zhang Chunyu zhangchy5@mail.sysu.edu.cn (86)0756-3668967

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)

February 2013