



臺大數學科學中心

課程公告

課

程

Finite Element Computations Using the Mefisto Software

授課教師

I-Liang Chern

(National Taiwan University)

Alain Perronnet

(Université Pierre et Marie Curie)

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間

2007年7月4日至8月13日止，
每星期一、三、五，10:00~12:00，
13:00~14:00

地

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臺灣大學舊數學館 103 室

課程摘要

The main objective of this course is to train students to compute numerical solutions of several types of boundary value problems in 3 dimensions (3D), including the Poisson, heat, elasticity, eigenfunctions and Stokes flow problems. The usage of the Mefisto software in 2D and 3D, with primary emphasis on 3D geometries, will be carefully explained by the instructor. The instruction is hands-on and fast-paced. Each student is required to do small computer exercises (about twice weekly, see EXERCISE below) and complete a semester numerical project demonstrating his/her proficiency in numerics and visualization by using the Mefisto software. The instruction will be in English and most of the computer software in use will also be in English.

歡迎上網查詢報名，網址：

<http://life.math.ntu.edu.tw/finite-element-computations>

相關事宜請與易靜微小姐聯絡 TEL: (02)3366-2834
歡迎上網查詢，網址：<http://www.tims.ntu.edu.tw/>

*** 歡迎參加 敬請公告 ***

Taida Institute for Mathematical Sciences