國立交通大學應用數學系
學術演講公告

主講人：李勇達 教授 (輔仁大學數學系)

講　題：A pseudospectral method for solving Poisson equations

時　間：107 年 4 月 3 日(星期二) 下午 2:00 –3:00

地　點：(光復校區) 科學一館 223 室

茶　會：當天下午 1:30 (科學一館 205 室)

Abstract

In this talk, we introduce pseudospectral methods based on Legendre polynomials and Chebyshev polynomials. We present a novel approach for solving Poisson equations with variable coefficients. The algorithm is interpreted as a discrete analog of solving differential equations by integration.

Finally we present some numerical examples to show that the new approach avoids ill conditioning issues of solving Poisson equations.

敬請公告　　歡迎參加

應用數學系　啟