数学与系统科学研究院

计算数学所学术报告

(定期学术报告)

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报告题目：

Isogeometric Analysis Based on Splines over T–meshes

邀请人：　陈志明 & 徐国良研究员

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　　　　下午 4:00—5:00

报告地点：　科技综合楼三层 311

　　　　计算数学所报告厅

Abstract:

In Computer Aided Engeering (CAE), a CAD model is first approximated by a mesh model, and then Finite Element Analysis is implemented over the mesh model. However, converting CAD model into a mesh model is a tedious task. More seriously, such conversion leads to computational errors in finite element analysis. Isogeometric Analysis is a new tool that use original CAD model instead of the mesh model as the basis for finite element analysis. In this talk, we will review the basic approach of isogemtric analysis, and then introduce a new type of splines—splines over T—meshes as the geomtric model for isogemetric analysis. We discuss the constructions of new splines and applications in geometric modelling as well as in isogemetric analysis.

欢迎大家参加！