数学与系统科学研究院

计算数学所网络学术报告

报告人：Junior Scientist (CR1 CNRS)

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报告题目：

Recent advances on the preconditioning of 3D fast Boundary Element Solvers for 3D acoustics and elastodynamics

邀请人： 殷涛 副研究员

报告时间：2021 年 10 月 12 日（周二）下午 15:30-16:30

报告工具：Zoom ID：（863 3483 4522）

密码：amss

Abstract:

Recent works in the Boundary Element Method (BEM) community have been devoted to the derivation of fast techniques to perform the matrix vector product needed in the iterative solver. Fast BEMs are now very mature. However, it has been shown that the number of iterations can significantly hinder the overall efficiency of fast BEMs. The derivation of robust preconditioners is now inevitable to increase the size of the problems that can be considered. I will present some recent works on fast BEMs and efficient algebraic preconditioners in this context.

欢迎大家参加！