# CONVERGENCE OF LEGENDRE METHODS FOR NAVIER-STOKES EQUATIONS

摘要
关键词

分类号

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**Abstract**　This paper is concerned with spectral type of methods using Legendre polyno mials. Both Galerkin and collocation approximations for the Navier-Stokes equa tions are considered and their rates of convergence are obtained. As a consequence,it is shown that these methods achieve spectral accuracy if the solutions to the Navier-Stokes equations are smooth.

**Key words**

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