



偏微分方程及其应用中心

学术报告

报告题目: Some new regularity results for the Navier-Stokes equations

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摘要: Several regularity results are established for the Navier-Stokes equations. We consider regularity criteria in endpoint space. If two velocity components are small, or one velocity component is small with other two velocity components being bounded. It is shown that the solution will not blow up. This improves Serrin's criterion by admitting logarithmic type growth.