



CMMA Monthly Seminar

第 23 回 CMMA 月例セミナー

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Many fluid phenomena like water wave and air flow are seen in our world, and it has been of interest to many researchers to analyze motion of fluid. An infinite layer and cylindrical domain are typical domain where many fluid phenomena occur. A stability analysis of fluid motion in an infinite layer or cylindrical domain is the suitable subject to study flow pattern formation and transition to turbulence.

In this talk, I will consider the stability of compressible fluid whose motion is described by the compressible Navier-Stokes equation that is quasilinear hyperbolic parabolic system. The mathematical difficulty in stability analysis is to estimate the hyperbolic equation. I will show some results of stability for compressible fluid by focusing the hyperbolic aspect.

“Stability for compressible fluid in
an infinite layer”

日時：2018年3月22日（木）16:30-17:30

場所：明治大学 中野キャンパス高層棟6階 研究セミナー室3

主催：

文部科学省 共同利用・共同研究拠点
明治大学先端数理科学インスティテュート
現象数理学研究拠点 (CMMA)



■連絡先

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