

COLLOQUIUM

On a generalized Bernoulli principle
for the incompressible Euler equations

- ▣ 연 사 : Tsuyoshi Yoneda 교수님
- ▣ 일 시 : 2011년 9월 15일 (목) 4:30 ~ 5:30
- ▣ 장 소 : 수학전공 강의실 (31316호)
- ▣ 대 상 : 수학전공 학부생 및 대학원생
- ▣ 다 과 : 4시 15분부터 31316호실 앞

Abstract

The lift of a wing is a force which makes an airplane fly. Nowadays, the lift of a wing is explained by using physical effects such as Bernoulli principle, Newton's laws or Departure vortex (but there are still controversial arguments). See [http://en.wikipedia.org/wiki/Lift_\(force\)](http://en.wikipedia.org/wiki/Lift_(force)) for example. In the talk we give a generalized Bernoulli principle by using the stationary Euler equations with a pressure analysis and "normalized streamlines"