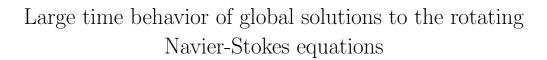
Geometr



## Ryo Takada

University of Tokyo

We consider the large time behavior of global solutions for the initial value problem of the Navier-Stokes equations with the Coriolis force in the three-dimensional whole space. We establish the  $L^p$  temporal decay estimates with the dispersion effect of the Coriolis force for global solutions. Moreover, we show the large time asymptotics of global solutions behaving like the first-order spatial derivatives of the integral kernel of the corresponding linear solution. This talk is based on the joint work with Takanari Egashira (Kyushu University).