



SCUOLA  
NORMALE  
SUPERIORE

## SEMINARIO DI MATEMATICA

Lunedì 20 novembre 2017  
ore 14:00

Scuola Normale Superiore  
Pisa  
Aula Bianchi

**Jaeyoung Byeon**  
(KAIST)

terrà un seminario dal titolo:

### **“Single peak solutions to nonlinear Neumann problems with a nondegeneracy”**

#### **Abstract:**

*There have been enormous studies on singularly perturbed nonlinear elliptic problems with the Neumann boundary condition. As for a single peak solution which concentrates near a point on the boundary of a given domain, its existence for a critical point of the mean curvature and its nonexistence for the regular point of the mean curvature were known only when a certain nondegeneracy holds.*

*In this talk I would like to explain a purely variational approach to prove the same results without the nondegeneracy.*

Tutti gli interessati sono invitati a partecipare.

Classe di Scienze Matematiche e Naturali