



復旦大學
FUDAN UNIVERSITY

Applied Math
Ph.D. Seminar

Discrete Gradgrad-Complexes in three dimensions

Speaker: Yizhou Liang (Peking University)

Time: 2021-05-20, 16:10 to 17:00

Location: Rm 1801, Guanghua East Tower

Advisor: Jun Hu (Peking University)

Abstract: The first family of conforming discrete three dimensional Gradgrad-complexes consisting of finite element spaces is constructed. These discrete complexes are exact in the sense that the range of each discrete map is the kernel space of the succeeding one. These spaces can be used in the mixed form of the linearized Einstein-Bianchi system.

