

数学与系统科学研究院

计算数学所学术报告

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报告题目:

**Heterogeneous Classification of
molecular complexes in single
particle analysis**

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计算数学所教室

Abstract:

Macromolecular complexes structures determination by cryo electron microscopy and single particle analysis has well developed in recent years. Some structures of virus are now solved to a resolution of 3.3-6Å. However, since the samples can be imaged in their native state, the 2D projection particles include different conformation states which limit the resolution available when single particle analysis is employed. In this talk, we will first outline some recent progress in heterogeneous classification of particles, and then we explore some statistical methods to classify one dataset including two kinds of assemblies.

欢迎大家参加!