数学与系统科学研究院

计算数学所定期学术报告

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报告题目：

Mathematical Intelligence Applications in Bio-medical Problems

邀请人： 卢本卓 研究员

报告时间：2017 年 9 月 28 日（周四）

下午 16:00-17:00

报告地点： 数学院思源楼一层

报告厅

Abstract：

The intersection among mathematics, information and biology has becoming more and more interesting and important. Many studies in this direction have led to developments of theories, methods and applications. But the too fast advancing of nowadays forefront information technology and biology knowledge, have triggered two obviously emerging phenomena, tremendous brand-new peaks accessible by new kinds of efforts, randomly meaningless results by in-correct intersections. Here I will show some of our recent results in developing and distinguishing efficiently intelligent approaches and applications for computational molecular biology and medical problems, such as protein structure-function-interaction prediction and pancreas cancer CT image analysis using algorithms like Fast Fourier transform, Monte Carlo, and deep learning, and some new designed physical and geometrical features.

欢迎大家参加！