学术报告

报告题目： Graph Filters on Spatially Distributed Networks

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报告时间： 2023年5月7日, 09:00-10:00

报告地点： 腾讯会议 750 516 256 密码：200433

发布平台： 复旦大学数学科学学院

报告摘要： Graph signal processing provides an innovative framework to process data on graphs. Graph filters and their inverses have been widely used in denoising, smoothing, sampling, interpolating and learning. Implementation of graph filter and its inverse filtering procedure on spatially distributed networks (SDNs) is a remarkable challenge, as each agent on an SDN is equipped with a data processing subsystem with limited capacity and a communication subsystem with confined range due to engineering limitations. In this talk, I will introduce the graph filter and the associated inverse filtering on a spatially distributed network. I will also introduce iterative distributed algorithms which are applicable for the implementation of inverse filtering on SDNs.