

报告题目: Graph Filters on Spatially Distributed Networks 报告人: 成诚研究员(中山大学) 时间: 2023-05-07 星期日 09:00-10:00 地点: 腾讯会议ID:750 516 256, 密码: 200433

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.

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