

香港中文大學(深圳) The Chinese University of Hong Kong, Shenzhen

我在港中深的学习体验 王捷 2020年7月11日



- ▶ 2016年从红岭中学毕业(高考分数621分)
- > 选择理论数学作为专业
- > 课余生活主要参与科研工作,连续三年的学术论文被信息论顶

会(ISIT2018-2020)接收

On the Tightness of a Cut-Set Bound on Network **Function Computation**

upper nound is not tight in general by explicitly characterizing for computing capacity of a general instance of the network function computing capacity of a general instance of the network function computing or possible in the computing model of network function computation in a directed acycle network [1]-[6]. The network has a single sink node and multiple source nodes. Each source node separates input symbols arbitraity from an alphabet. A arger function is required to be computed at the sink node with zero for fall possible inputs. The network links have limited (unit) capacity and are error-free. The network instead in the network official possible inputs. The network links have limited (unit) capacity and are error-free. The network instead in the possible inputs. The network instead in the possible inputs. The network instead in the possible inputs. The network links have limited (unit) capacity and are error-free. The network modes have unbounded computing capability, and perform vector network function computation naturally arises in sensor networks [7] and internet of Things [16]. and has applications in hig data processing and machine learning.

We are interested in the computing rate of a network two function computation on the computing capacity based on cut stake have been studied [11, [2]]. [3]. [6]. The bounds in the maximum (supermum) computing rate is called the computing capacity the bounds in [3], [6] are valid with the computing capacity of fine forms, Shenches, Senther, Chas S. Yare is sub-free formed of forms of the selected of specific constraints on the network function computation on the computing capacity of this instance is related to graph co-originate of the network function computation on the computing capacity of this instance is related to graph co-originate of the network function computation or the computing capacity of this instance is related to graph co-originate of the network function computing capacity of this instance is related to graph co-originate of the network fun



Let $G = (V, \mathcal{E})$ be a directed acyclic graph (DAG) with a denoted as $\mathcal{N} = (G, S, \rho)$, where $S \subset \mathcal{V}$ is the set of the

On the Capacity Scalability of Line Networks with **Buffer Size Constraints**

Shenghao Yang, Jie Wang, Yanyan Dong and Yiheng Zhang

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Upper Bound Scalability on Achievable Rates of Batched Codes for Line Networks

Shenghao Yang and Jie Wang

of L as the previous achievability results.

Our results are proved in a general setting of line network where the DMC channels in the line network can be arbitrarily different except for a mild technical condition. The main tech

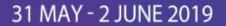
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本科的学习体验: 机会多

> 开设一系列学术讲座, 涉及领域非常广泛



The Chinese University of Hong Kong, Shenzhen





运筹OR帷幄 ❖ 已认证的官方帐号

7人赞同了该回答

@运筹OR帷幄编者按:

5月31日—6月2日,Mostly OM 2019 Workshop 于香港中文大学(深圳)召开。2019年是 MostlyOM Workshop十周年,自2009年MostlyOM Workshop开幕,每年都在清华大学召开,今年也是第一年在外校举办。 2019年MostlyOM 延续传统,全员大会就运作管理及其相关领域热点话题 做出报告。专题研讨会旨在为研究者们提供交互意见和深入合作的平台。此次MostlyOM Workshop 10周年大会由POMS联合主办,会议还包括多场平行报告会。

本科的学习体验: 机会多

> 本科生有很多机会从事科研活动



第二个体验: 同学强



左上: 佐治亚理工学院

左下:卡耐基梅隆大学

右上: 哥伦比亚大学

右下: 斯坦福大学

第三个体验: 自主学习能力

- > 高中的学习: 比较功利, 在老师的督促下学习
- > 港中深的学习: 比较自由, 倡导自主学习
 - 学时短, 每学期十四周, 每门课包含了三小时的正课和一小时的习题课;
 - 上课不会涉及课本的所有方面,点到为止
 - 更需要学生自主学习,主动查漏补缺