

THE UNIVERSITY



OF HONG KONG

*Institute of Mathematical Research
Department of Mathematics*

PROBABILITY AND INFORMATION THEORY SEMINAR

Network Encoding Complexity

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Abstract

Network coding is a novel technique to improve the throughput of networks to transfer messages from sources to sinks. The intermediate nodes are allowed to mix the received messages from different incoming links. The theory of network encoding complexity aims to deal with the question what the minimum number of encoding nodes needed in networks is. In order to attack this question, we convert it into a combinatorial optimization problem.

Date: March 10, 2014 (Monday)

Time: 11:00am – 12:00noon

Place: Room 206, Run Run Shaw Bldg., HKU

All are welcome