

中国科学院数学与系统科学研究院

量子论与信息论

学术报告

报告题目: Approximation Distillation of Quantum
Coherence

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摘 要: Coherence distillation is a basic information-theoretic task in the resource theory of coherence. In this talk, I will report the framework of the approximate coherence distillation under strictly incoherent operations. This protocol considers the situation that one cannot transform an initial state into a target pure state with certainty; instead, one aims to deterministically transform the initial state into an intermediate state that is most approximate to the target state in terms of fidelity.