

Controlled Quantum N-Party Simultaneous Direct Communication

XIA Yun-Jie and MAN Zhong-Xiao

College of Physics and Engineering, Qufu Normal University, Qufu 273165, China
(Received: 2006-7-28; Revised: 2006-9-21)

Abstract: In this paper, we propose a controlled quantum N-party simultaneous direct communication protocol with single-qubit measurements. Many users can simultaneously exchange their secret messages in a set of devices with the control of a supervisor. The eavesdropper's commonly used attacks can be detected through two security checking processes.

PACS: 03.67.Hk, 03.65.Ud

Key words: direct communication, N-party, simultaneous

[\[Full text: PDF\]](#)

Close