医應義量大学 21世紀COEプログラム





「統合数理科学:現象解明を通した数学の発展」

COE統合数理科学特別セミナー

Speaker: Prof. Michael Keane

(Wesleyan University)

Date: June 5, 2007 (Tuesday)

Time: 16:30 - 18:00

Place: 14-218 (Discussion Room 8)

2nd Floor, Bldg. 14

Faculty of Science and Technology

KEIO University



In this lecture, we explain to the listener what a contention tree is, and we develop some of the mathematical results, both with and without proofs, concerning contention trees. Contention trees arise in a number of practical situations. For example, if a large number of stations wish to share using a small number of communication lines, and if the stations are unable to communicate with each other, then a contention tree algorithm is often used: each station selects randomly a line and attempts communication; if this is unsuccessful because of collision, then again a random subdivision takes place among the attempts on a given line, nd so forth until all messages have been sent. The mathematics contains some unexpected results which raise also a number of theoretical problems not yet fully understood.

問合わせ先: 慶應義塾大学21世紀OOEプログラム 統合数理科学 渉外担当

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