MODELLING THROUGHPUT CROSSBAR SWITCH NODE WITH NONUNIFORM LOAD TRAFFIC

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Abstract: The task which includes computing of non-conflict schedule for crossbar switch node of packet commutation is NP-hard. After checking their efficiency with throughput modelling by uniform load traffic, the check for nonuniform traffic is required. In this paper a family of pattern-matrices is proposed for the simulation of nonuniform traffic based on the hotspot traffic model. The applicability check is executed through computer simulated commutation using well known PIM-algorithm, spesified by Generalized nets..

МОДЕЛИРОВАНИЕ ПРОПУСКНОЙ СПОСОБНОСТИ КОММУТАЦИОННОГО УЗЛА ПРИ НЕСБАЛАНСИРОВАННОМ ВХОДЯЩЕМ ТРАФИКЕ

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