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Rude-CSMA: A multihop channel access protocol. (English) Zbl 0572.94004
[IEEE Trans. Commun. 33, 785-791 \(1985\)](#).

In this paper, we define a two-parameter family of protocols designed for multihop packet radio networks. We call these protocols rude-CSMA because under certain circumstances, maximum throughput is obtained when nodes, even after sensing a busy channel, transmit packets anyway with a nonzero rate. The performance of these protocols is analyzed for various special and random topologies.

MSC:

[94A05](#) Communication theory

Cited in 8 Documents

Keywords:

[multihop packet radio networks](#)

Full Text: [DOI](#)