

Pellaumail, J.

Worst case bound for the delays in an ATM network. (Majoration des retards dans les réseaux ATM.) (French) [Zbl 0857.90038](#)

[RAIRO, Rech. Opér. 30, No. 1, 51-64 \(1996\)](#).

Summary: We consider the worst case for a queue arising in a multiservice network using ATM. An upper-bound of the probabilities of such a queue is proposed. The associated generating function is given in a tractable form.

MSC:

[90B18](#) Communication networks in operations research

[60K20](#) Applications of Markov renewal processes (reliability, queueing networks, etc.)

Keywords:

asynchronous transfer mode; generating function; Markov process; worst case for a queue; multiservice network

Full Text: [DOI](#) [EuDML](#)