Performance of crossbar interconnection networks in presence of hot spots

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Errata or comment

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Title: Performance of crossbar interconnection networks in presence of ‘hot spots’

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Abstract: In the letter we present an interference analysis of an $N \times N$ crossbar for a tightly coupled multiprocessor in the presence of ‘hot spot’ traffic conditions. The analysis shows that this hot spot traffic model includes the uniform traffic model as a special case and that the crossbar network compared to multistage networks is less affected by this nonuniformity of memory reference patterns.