عنوان مقاله:

A novel delay based scheduling algorithm for video traffic in LTE

محل انتشار:

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خلاصه مقاله:

LTE, that was introduced by the third generation partnership project (3GPP) in 2008, is a technology which improves capacity and quality of service (QoS) requirements in modern wireless networks. Due to rapid growth of multimedia services and online video games, resource allocation is very important for these delay sensitive applications. Therefore, scheduling algorithms which allocate radio resources among users in downlink and uplink channel, has been one of the key problems in LTE networks. In this paper, we propose a new scheduling algorithm based on delay to increase the throughput for real-time traffic (video) and then simulate some of popular downlink scheduling algorithms in LTE network and compare their quality of service with new algorithm and the performance of scheduler for BE traffic in terms of throughput, packet loss and delay.

کلمات کلیدی:

LTE; Scheduling Algorithms; QoS; Real-time traffic

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