Abstract

In this paper we evaluate Collaborative Virtual Environments (CVEs) in terms of network latency. Network Latency main requirements, given in the literature for CVEs, have been summarized. We also discuss effects of network latency on users' performance in the CVEs. Different factors can improve, by minimizing overall network latency, the performance of users in the CVEs. This review provides a comprehensive inside look to network latency in the CVEs and will help the researchers to adopt a network, with minimum latency, for their CVEs. The algorithms and ideas, suggested by the researchers, to be adopted by the CVEs to minimize network latency in virtual environment, are also discussed critically. Reducing network latency will ultimately improve the overall efficiency of CVEs.

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