

Timing Control for Synchronizing Multimedia Streaming over Heterogeneous Networks

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Abstract— With the advent of new devices such as smart TV, a single device can have connectivity with multiple heterogeneous networks. Various types of sophisticated services can be realized with the combined use of services from multiple heterogeneous networks. This paper studies timing control when integrating and synchronizing multiple streaming services which are delivered over heterogeneous network such as broadcast network and Internet. It uses the presentation time of the contents in providing synchronization to the multiple streams. The proposed method can be considered in providing synchronization to two or more streaming services that are delivered over the heterogeneous network.

Keyword— Multimedia streaming, hybrid delivery over heterogeneous networks, synchronization



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- Topic of interests includes, multimedia delivery, peer-to-peer communication, multicasting ,future network, and Internet routing.