STREAMING LAYERED ENCODED VIDEO USING PEERS
(WedAmPO1)

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Abstract :
Peer-to-peer video streaming has emerged as an important way for the transport of stored video. The peers are less costly and more scalable than an infrastructure-based video streaming network which deploys a dedicated set of servers to store and distribute videos to clients. In this paper, we investigate streaming layered encoded video using peers. Each video is encoded into hierarchical layers and layers are stored on different peers. The system serves a client request by streaming multiple layers of the requested video from separate peers. We evaluate the performance of our proposed scheme through extensive simulations. Finally, we compare the performance of layered coding with multiple description coding.