AN ARBITRARY FRAME−SKIPPING VIDEO TRANSCODER
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Abstract : In video transcoding, pre−encoded frames may be arbitrarily dropped to freely adjust the video to meet the network and client requirements. Since transcoding is carried out in real−time, incoming motion vectors are reused to reduce the transcoding latency. In this paper, we propose a new motion vector composition scheme for arbitrarily dropping any frame from incoming video bit−stream comprising I, B and P frames. The transcoded bit−stream retain the I−B−P frame structure. Experimental results are presented and compared to show the efficacy of the proposed scheme.