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Automatic Adaptive Video Streaming System

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ABSTRACT - Adaptive video streaming is a related expansion with respect to common progressive download streaming. we present a model of the regular video stream switching in use one of these most important video streaming services beside with a description of the client-side statement and control procedure. From the control architecture point of view, the regular adaptation is achieved by means of two interacting control loops having the controllers at the client and the actuators at the server: one loop is the buffer regulator, which aims at routing the client playout buffer to a target length by regulating the server sending rate; the other one implements the stream switching controller and aims at selecting the video level.