Abstract

Profiling and instrumentation can be used to identify the inefficient areas of the code which may require optimization. In this technical report profiling and instrumentation results for RVC-CAL MPEG-4 simple profile decoder are discussed. The decoder is using dynamic scheduling for action invocation in its all networks. The IDCT part is optimized and dynamic scheduling of actions is replaced by static scheduling. Profiling and instrumentation results show that the number of operations performed by dynamically scheduled dataflow network are significantly reduced when part of the dataflow network is statically scheduled.