INTERACTIONS BETWEEN IN-LOOP RESHAPING AND INTER CODING TOOLS

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This application is a national phase of International Patent Application No. PCT/CN2020/074136, filed on February 1, 2020, which claims the priority to and benefits of International Patent Application No. PCT/CN2019/074437, filed on February 1, 2019. The entire disclosures of the aforementioned applications are incorporated by reference as part of the disclosure of this application.

TECHNICAL FIELD

[0002] This patent document relates to video processing techniques, devices and systems.

BACKGROUND

[0003] In spite of the advances in video compression, digital video still accounts for the largest bandwidth use on the internet and other digital communication networks. As the number of connected user devices capable of receiving and displaying video increases, it is expected that the bandwidth demand for digital video usage will continue to grow.

SUMMARY

[0004] Devices, systems and methods related to digital video processing, and specifically, to in-loop reshaping (ILR) for video processing are described. The described methods may be applied to both the existing video processing standards (e.g., High Efficiency Video Coding (HEVC)) and future video processing standards or video processors including video codecs.

[0005] In one representative aspect, the disclosed technology may be used to provide a method for video processing. This method includes performing, for a conversion between a current video block of a video and a coded representation of the video, a motion information refinement process based on samples in a first domain or a second domain; and performing the conversion based on a result of the motion information refinement process, wherein, during the