

MULTIPLE SECONDARY TRANSFORM MATRICES FOR VIDEO PROCESSING

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This application is based on International Application No. PCT/CN2020/089581, filed on May 11, 2020, which claims the priority to and benefit of International Patent Application No. PCT/CN2019/086420, filed on May 10, 2019. The entire disclosure of the aforementioned application is 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 context modeling for residual coding in video processing. The described methods may be applied to both the existing video coding standards (e.g., High Efficiency Video Coding (HEVC)) and future video coding standards or video codecs.

[0005] In one representative aspect, the disclosed technology may be used to provide a method for video processing. This method includes: performing a conversion between a current video block of a video and a coded representation of the video, wherein the conversion comprises: selecting, for the current video block of a video, a transform set or a transform matrix to be used in an application of a secondary transform tool to the current video block based on a characteristic of the current video block; and applying the selected transform set or transform matrix to the current video block, and wherein, using the secondary transform tool: during