CONTEXT-BASED INTRA PREDICTION

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This application is a national phase of International Application No. PCT/CN2019/123229, filed on December 05, 2019, which claims the priority to and benefits of International Patent Application No. PCT/CN2018/119709, filed on December 7, 2018, International Patent Application No. PCT/CN2018/125412, filed on December 29, 2018, International Patent Application No. PCT/CN2019/070002, filed on January 1, 2019, International Patent Application No. PCT/CN2019/075874, filed on February 22, 2019, International Patent Application No. PCT/CN2019/075993, filed on February 24, 2019, International Patent Application No. PCT/CN2019/076195, filed on February 26, 2019, International Patent Application No. PCT/CN2019/079396, filed on March 24, 2019, International Patent Application No. PCT/CN2019/079431, filed on March 25, 2019, and International Patent Application No. PCT/CN2019/079769, filed on March 26, 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 for example, simplified linear model derivations for the cross-component linear model (CCLM) prediction mode in video coding are described. The described methods may be applied to both the existing