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(54) Title: VIDEO IMAGE COMPONENT PREDICTION METHOD AND APPARATUS, AND COMPUTER STORAGE MEDIUM

(54) 发明名称: 视频图像分量的预测方法和装置、及计算机存储介质

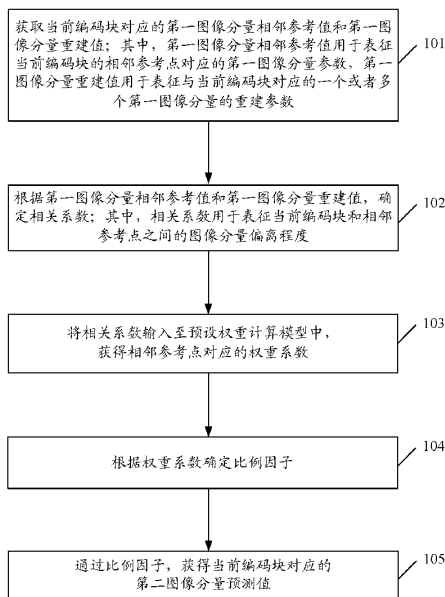


图 7

- 101 Obtain a first image component neighboring reference value and a first image component reconstruction value corresponding to a current coded block, wherein the first image component neighboring reference value is used for representing a first image component parameter corresponding to a neighboring reference point of the current coded block, and the first image component reconstruction value is used for representing a reconstruction parameter for one or more first image components corresponding to the current coded block
- 102 Determine a correlation coefficient according to the first image component neighboring reference value and the first image component reconstruction value, wherein the correlation coefficient is used for representing an image component deviation degree between the current coded block and the neighboring reference point
- 103 Input the correlation coefficient into a preset weight calculation model to obtain a weight coefficient corresponding to the neighboring reference point
- 104 Determine a scale factor according to the weight coefficient
- 105 Obtain a second image component predicted value corresponding to the current coded block according to the scale factor

(57) Abstract: A video image component prediction method and apparatus, and a computer storage medium. The prediction method comprises: obtaining a first image component neighboring reference value and a first image component reconstruction value corresponding to a current coded block, wherein the first image component neighboring reference value is used for representing a first image component parameter corresponding to a neighboring reference point of the current coded block, and the first image component reconstruction value is used for representing a reconstruction parameter for one or more first image components corresponding to the current coded block (101); determining a correlation coefficient according to the first image component neighboring reference value

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and the first image component reconstruction value, wherein the correlation coefficient is used for representing an image component deviation degree between the current coded block and the neighboring reference point (102); inputting the correlation coefficient into a preset weight calculation model to obtain a weight coefficient corresponding to the neighboring reference point (103); determining a scale factor according to the weight coefficient (104); and obtaining a second image component predicted value corresponding to the current coded block according to the scale factor (105).

(57) 摘要: 一种视频图像分量的预测方法和装置、及计算机存储介质, 该预测方法包括: 获取当前编码块对应的第一图像分量相邻参考值和第一图像分量重建值; 其中, 第一图像分量相邻参考值用于表征当前编码块的相邻参考点对应的第一图像分量参数, 第一图像分量重建值用于表征与当前编码块对应的一个或者多个第一图像分量的重建参数 (101); 根据第一图像分量相邻参考值和第一图像分量重建值, 确定相关系数; 其中, 相关系数用于表征当前编码块和相邻参考点之间的图像分量偏离程度 (102); 将相关系数输入至预设权重计算模型中, 获得相邻参考点对应的权重系数 (103); 根据权重系数确定比例因子 (104); 通过比例因子, 获得当前编码块对应的第二图像分量预测值 (105)。