

ABSTRACT

Provided are a video image component prediction method and apparatus, and a computer storage medium. The method may comprise: acquiring a reference value set of a first image component of a current block; determining, from the reference value set of the first image component, multiple first image component reference values; respectively carrying out first filtering processing on a sample value of a pixel point corresponding to each of the multiple first image component reference values to obtain multiple filtered first image reference sample values; determining reference values, corresponding to the multiple filtered first image reference sample values, of an image component to be predicted; according to the multiple filtered first image reference sample values and the reference values of the image component to be predicted, determining a parameter of a component linear model; according to the component linear model, carrying out mapping processing on a reconstruction value of the first image component of the current block to obtain a mapping value; and according to the mapping value, determining a prediction value of the image component to be predicted of the current block.

FIG. 4