

ABSTRACT

This application provides a dynamic range mapping method and apparatus, to help avoid, when maximum display luminance of an image is close to maximum display luminance of a display device, an abnormality that luminance of a pixel of a mapped terminal device is greater than that of an original image. The dynamic range mapping method includes: obtaining a display parameter of a terminal device; obtaining feature information of image data (910); obtaining a first parameter of a first tone mapping curve of the image data (920); when a preset condition is met, obtaining a second parameter of a second tone mapping curve based on the first parameter, the display parameter of the terminal device, and the feature information of the image data (930), where output luminance at a first point on the second tone mapping curve is not greater than input luminance at the first point on the second tone mapping curve; and performing dynamic range mapping on the image data based on the second parameter of the second tone mapping curve (940).

FIGURE 9