ABSTRACT

Provided are an image color correction method and apparatus, a color correction robot, and a storage medium. The method includes acquiring an image to be processed, extracting a color value of each pixel in a plurality of color blocks in the image to be processed to obtain a color value list; setting a weight coefficient for each color value in the color value list; fitting a polynomial regression model by using the color value list with the weight coefficients to obtain a fitted polynomial regression model; generating a color conversion matrix, which used to represent a mapping relationship between a color value in the image to be processed and a standard color value in a color checker, by using the fitted polynomial regression model; and correcting the color value of each pixel in the image to be processed by using the color conversion matrix to obtain a corrected image. This embodiment improves the color accuracy of an image, and ensures the reliability and authenticity of image information, thereby providing reliable data support for subsequent intelligent analysis and assisted diagnosis.

FIG. 1