

ABSTRACT

The present application relates to a method and apparatus for analyzing a blood glucose concentration, a device, a storage medium, and a computer program product. The method comprises: acquiring intensity sets corresponding to a plurality of photoplethysmography pulse wave sets for a target object in a target time period, the intensity set comprising an average alternating-current intensity and an average direct-current intensity; performing curve fitting on the plurality of intensity sets to obtain a fitting coefficient and a fitting bias; comparing the fitting bias with a bias range corresponding to the target object, and when it is determined that the fitting bias is not within the bias range, adjusting the fitting bias to obtain an adjusted fitting bias; and performing, on the basis of the adjusted fitting bias, curve fitting on the plurality of intensity sets to obtain an adjusted fitting coefficient, and taking the adjusted fitting coefficient as the blood glucose concentration of the target object in the target time period. By adopting the method, the accuracy of blood glucose concentration analysis can be improved.

FIG. 2