ABSTRACT

A tool head posture adjustment method and apparatus, and a readable storage medium are disclosed. Distances to laser points are measured by means of laser distance sensors, and the laser points can construct at least one plane, thereby determining each plane corresponding to a site to be checked; and a comprehensive normal vector of each plane is calculated, and posture parameters of a tool head of a robot are calculated by using a posture expression, thereby adjusting the tool head posture. According to the tool head posture adjustment method and apparatus, posture parameters of a tool head posture to be adjusted can be accurately determined, thus improving the operation efficiency of a moxibustion instrument. Laser distance sensors are low in cost. During the operation of a robot, the method and the apparatus have high precision and strong real-time performance, and can adapt to a scenario where a tool head is in contact with a human body or a scenario where the tool head is kept at a certain distance from the human body.

(To be published with Fig. 1)