

[Original]

The present technology relates to a control device, a control method, and a program, and more particularly, to a control device, a control method, and a program that allow notification of an abnormality occurring in a robot to be given to a user in an easy-to-check manner.

Robots for various applications are being introduced for use, such as home service robots and industrial robots. If a part of a robot is broken, the part needs to be repaired or replaced. It is difficult for a general user to check for an abnormality, such as a broken part, by analyzing information like error logs output by the robot system. Such problem is particularly noticeable in home service robots. It is desirable that users including general users can easily recognize an abnormality occurring in a robot. The present technology has been made in view of such circumstances and is intended to allow notification of an abnormality occurring in a robot to be given to a user in an easy-to-check manner.

A control device according to one aspect of the present technology includes: an abnormality detection unit that detects an abnormality that has occurred in a predetermined part of a robot; and an attitude control unit that controls an attitude of the robot so that the predetermined part in which the abnormality has occurred is within an angle of view of a camera.

In one aspect of the present technology, an abnormality that has occurred in a predetermined part of a robot is detected, and an attitude of the robot is controlled so that the predetermined part in which the abnormality has occurred is within an angle of view of a camera.

According to the present technology, notification of an abnormality that has occurred in a robot can be given to a user in an easy-to-check manner.

A robot capable of bipedal walking is used in this example; however, a robot in another shape such as a robot capable of quadrupedal walking or an arm-type robot used for industrial and other applications may also be used.

As a result of moving the arm, the leg, or the like, an abnormality may occur in a certain part such as a joint. Joints are each equipped with a device such as a physically driven motor, and an abnormality such as failure to make an expected motion may occur in such joint caused by deterioration or the like of the device. In the robot 1, a process of checking whether or not each of the devices is normally operating is repeated at predetermined intervals.