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*Automated Vision Tracking*

A vision tracking system was developed in the following steps. First, an item of a specific color is connect to the front of a person's head and a light was connected to the end of a motor. A control unit was connected to a camera and two motors. One motor controls the movements of the x-axis and the second motor controls movements in the y-axis. The camera is utilized by tracking the coordinates of an object in its vision. Then the control Unit gets the information and converts it into values which are usable by the motors. It does this by using the information from the camera and putting the values into an algorithm to plot the points on a coordinate plane and then converting this point to an angle. The motors then move to the specified angles. This causes the light on the end of one of the motors to mimic the motion of a person's head. The system was successful in tacking a person's head and converting it into movements by the motors. The results proved that an automated vision tracking system could be created and utilized in every-day life.