

Time glove

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1. Introduction

The human brain remembers the pictures that eyes see for a short period. This ability let us perceive the fast going sequence of frames as a video. Based on this I've made the appliance which helps to see the periodically moving things static.

2. Research Methods

In simple words this appliance is a rather powerful strobe controlled by microprocessor. To program it I used the Arduino and to supply it I made the voltage transformer and used 100w led, accumulator and transistor to control it.



I change “the dark time” and “the light time” to fit to the motion of the object using trimmer resistor and tilting the hand. To compute the tilt angle and other necessary parameters I used gyroscope and accelerometer.



For comfortable using all components were fixed on the glove and aluminum carcass.

4. Conclusion

Appliance helps to see the moving things with period __ - __ milliseconds. This visual effect can help people in many scientific fields.

5. References

[1] I. V. SAVELYEV. COURSE OF GENERAL PHYSICS. VOLUME I MECHANICS

[2] Youtube source. Alex Gaver channel.