The Photoelectric Effect

Enrique Rivera Jr.
Physics Undergraduate,
The University of Texas at Austin

April 1, 2024

Abstract

1 Introduction

1.1 Background and Theory

2 Experimental Setup and Procedure

2.1 Light Box

3 Results

3.1 Data and Analysis

4 Conclusion

5 References

1. T. Matsumoto. A chaotic attractor from Chua's circuit. IEEE Trans. Circuits Sys., 31(12):1055–1058, 1984.

2. http://www.chuacircuits.com For more information on setup, examples, and matlab example code.

3. L. O. Chua, C. W. Wu, A. Huang and Guo-Qun Zhong, "A universal circuit for studying and generating chaos. I. Routes to chaos," in IEEE Transactions on Circuits and Systems I: Fundamental Theory and Applications, vol. 40, no. 10, pp. 732-744, Oct. 1993, doi: 10.1109/81.246149.

4. Jihua Yang, Liqin Zhao, Bifurcation analysis and chaos control of the modified Chua's circuit system, Chaos, Solitons and Fractals, Volume 77, 2015, Pages 332-339, ISSN 0960-0779, https://doi.org/10.1016/j.chaos.2015.05.028. (https://www.sciencedirect.com/science/article/pii/S0960077915001642)