

PHYC30170 Physics with Astronomy and Space Science Lab 1; An Investigation of Surface Plasmon Resonance

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This is the abstract

I. INTRODUCTION

2. *Developing an Algorithm for Data Collection*

A. First subsection

B. Applications of Surface Plasmon Resonance

II. THEORY

A. Excitation of Free Electrons

B. Surface Plasmon Waves

C. Apparatus

III. METHODOLOGY

A. Apparatus Setup

1. *Motor Programming*

Be salty about things being labelled incorrectly.

Note efficiency

3. *Laser Alignment*

B. Data Collection

1.

IV. RESULTS AND ANALYSIS

A. Varying Laser Wavelength

B. Varying Metal Thickness

C. Anomaly found during Red Laser Runs

V. CONCLUSION

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