Franklin **Kelly**

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**ABOUT**

**A PHYSICS STUDENT** with a passion for creative problem solving and a strong foundation in computation. I have interests in technical research, writing, and simulation I am currently pursuing an undergraduate degree in Physics at Messiah University. This site is a collection of some of my projects that I believe demonstrate my passion, curiosity, and creativity.

**SNIPE Hunt**

**Search for Non-Interacting Particles Experiment Hunt.**

In this project we search for a dark matter candidate, ultralight bosonic dark matter, using ultra-sensitive magnetometers. My work is calibrating these sensors to return relatively flat frequency responses.

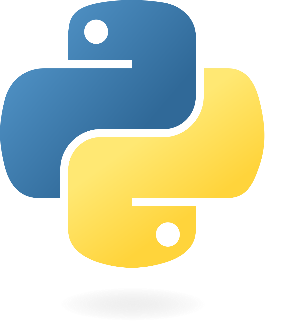
Search for Non-Interacting Particles Experiment. In this project we search for a dark matter candidate, ultralight bosonic dark matter, using ultra-sensitive magnetometers. My work is calibrating these sensors to return relatively flat frequency responses. Search for Non-Interacting Particles Experiment. In this project we search for a dark matter candidate, ultralight bosonic dark matter, using ultra-sensitive magnetometers. My work is calibrating these sensors to return relatively flat frequency responses. Search for Non-Interacting Particles Experiment. In this project we search for a dark matter candidate, ultralight bosonic dark matter, using ultra-sensitive magnetometers. My work is calibrating these sensors to return relatively flat frequency responses. Search for Non-Interacting Particles Experiment. In this project we search for a dark matter candidate, ultralight bosonic dark matter, using ultra-sensitive magnetometers. My work is calibrating these sensors to return relatively flat frequency responses. Search for Non-Interacting Particles Experiment. In this project we search for a dark matter candidate, ultralight bosonic dark matter, using ultra-sensitive magnetometers. My work is calibrating these sensors to return relatively flat frequency responses. Search for Non-Interacting Particles Experiment. In this project we search for a dark matter candidate, ultralight bosonic dark matter, using ultra-sensitive magnetometers. My work is calibrating these sensors to return relatively flat frequency responses. Search for Non-Interacting Particles Experiment. In this project we search for a dark matter candidate, ultralight bosonic dark matter, using ultra-sensitive magnetometers. My work is calibrating these sensors to return relatively flat frequency responses. Search for Non-Interacting Particles Experiment. In this project we search for a dark matter candidate, ultralight bosonic dark matter, using ultra-sensitive magnetometers. My work is calibrating these sensors to return relatively flat frequency responses

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AI-generated content may be incorrect.**

**JUPYTERNOTEBOOKS**

Jupyter Notebooks Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jupyter Notebooks Jup

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* [Differential Equations](https://franklinkelly.github.io/JupyterNotebooks/Chapter%201%20Extra%20Credit.html) - Comparing the numerical solution to an analytical approximation for the motion of an object in a simple energy well.
* [Projectile Motion](https://franklinkelly.github.io/JupyterNotebooks/Chapter%202%20Extra%20Credit.html) - Calculating the path of a projectile using differential equation methods.
* [Momentum Conservation](https://franklinkelly.github.io/JupyterNotebooks/Chapter%203%20Extra%20Credit.html) - Simulating if the center of mass for conserved momentum system act like a regular projectile.
* [Energy Equilibria](https://franklinkelly.github.io/JupyterNotebooks/Chapter%204%20Extra%20Credit.html) - Finding stable equilibria of a stacked cube and cylinder.
* [Damped Harmonic Motion](https://franklinkelly.github.io/JupyterNotebooks/Chapter%205%20Extra%20Credit.html) - Comparing motion of a spring under different damping constants.

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