HW Set 00: LaTeX and Github Demonstration

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ABSTRACT

The first homework.

1. GITHUB FILE LINK

Here's the link to a file on my Github. I decided to have one repository for the class and there will be a folder per homework. Here's the link to the file: https://github.com/kparrine/Computational_Astro/blob/main/C0/HW00_file.md.

There's some notes in here about what I did and some questions about git that I have.

2. FIGURE

Figure 1 is a plot that I made for a class in my undergrad. It was a physics problem that I made up wherein I'm at a circus and trying to figure out at what speed must a walrus be launched out of a cannon to land on a platform. The platform is at a height of 50 m and it is 20 meters away.
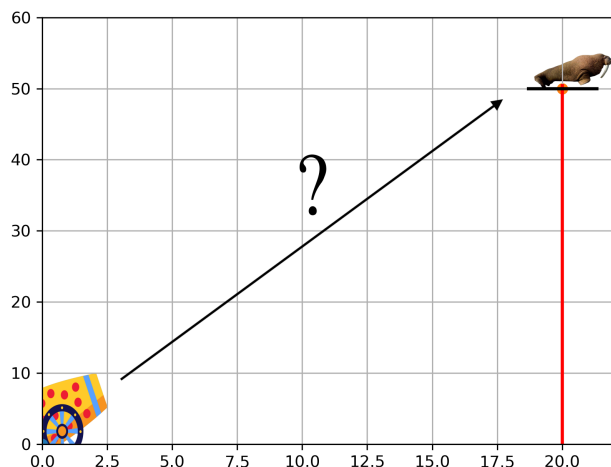
3. MATH EQUATION

I present Euler's Identity, the most beautiful equation in mathematics:

$$e^{i\pi} + 1 = 0 \tag{1}$$

Figure 1. The visual setup to a physics problem I came up with. There's a cannon at the origin and a platform at a distance of 20 m away at a height of 50 m. The walrus must land on top of the platform.