

PHSX 331 Homework 2 - Here to Mars Mars.

Due September 12 5:00 p.m.

- Write a function that finds the distance between Earth and Mars for a given day 'd' where $d = 0$ corresponds to January 1, 2000. Use the textbook program "mars_angle" as a starting point.
- Find the distance on June 27, 2000 and September 14, 2015 (don't forget about leap years)
- Plot the distance as a function of time from January 1, 2000, to January 1, 2020 years.
- Comment on the graph, is it a perfect sine wave? Anything odd about the way it looks?