Project Phase 2: Rover Dynamical Analysis

MEEN 357-505

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5.2, Task 2: Visualizing the Terrain

Chart, line chart

Description automatically generated

The figure above illustrates the angle of the terrain as a function of distance the rover has traveled. The greater the y-axis value, the steeper the incline. Points of the graph are interpolated, or connected with a cubic spline approximation. The angle between the known points can be extrapolated using the graph.

5.5, Task 5: Visualizing Motor Efficiency