

Homework 4

Due Date: March 31

Purpose

In this (very) little project, you will create nice profile plots from a DEM file.

Problem

You are still in the salt mines at Googly. Since they are big on maps, they have a lot of DEM data to represent three-dimensional terrain. They want you to create a couple of PDFs of terrain profiles to help determine if their data is reliable.

Input

Use the file `franconia.dem.grd` from the course web page.

Output

Create two plots using `gnuplot`: One of the first row of the DEM file, and one of the last row of the file. Save each plot in a PDF file.

Specifics

- Each plot should have adequate labels, including a title, line label, and x- and y-range labels.
- Your name should appear in the second line of the title.
- Print the PDF files. The graphs should be a good size (not just the smallish default size).

Notes

- Turn in your two printed plots at the beginning of class on the 31st.
- Write and **sign** the Honor Code on one of the plots.

Climb the mountains and get their good tidings.
– John Muir