

Spanning USA

Lars Korduner & Josefine Myllenberg

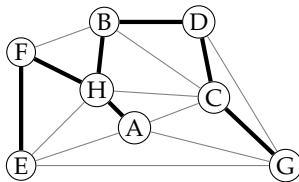
April 20, 2016

Results

The following table summarizes our results:

Input file	MST total weight
USA-highway-miles.txt	16598
tinyEWG-alpha.txt	181

The MST we found in tinyEWG-alpha.txt can be drawn like this:



Implementation details

We implemented the algorithm of prim, using a adjacency list together with a priority queue.

The total running time for implementation is $O(m \log n)$.