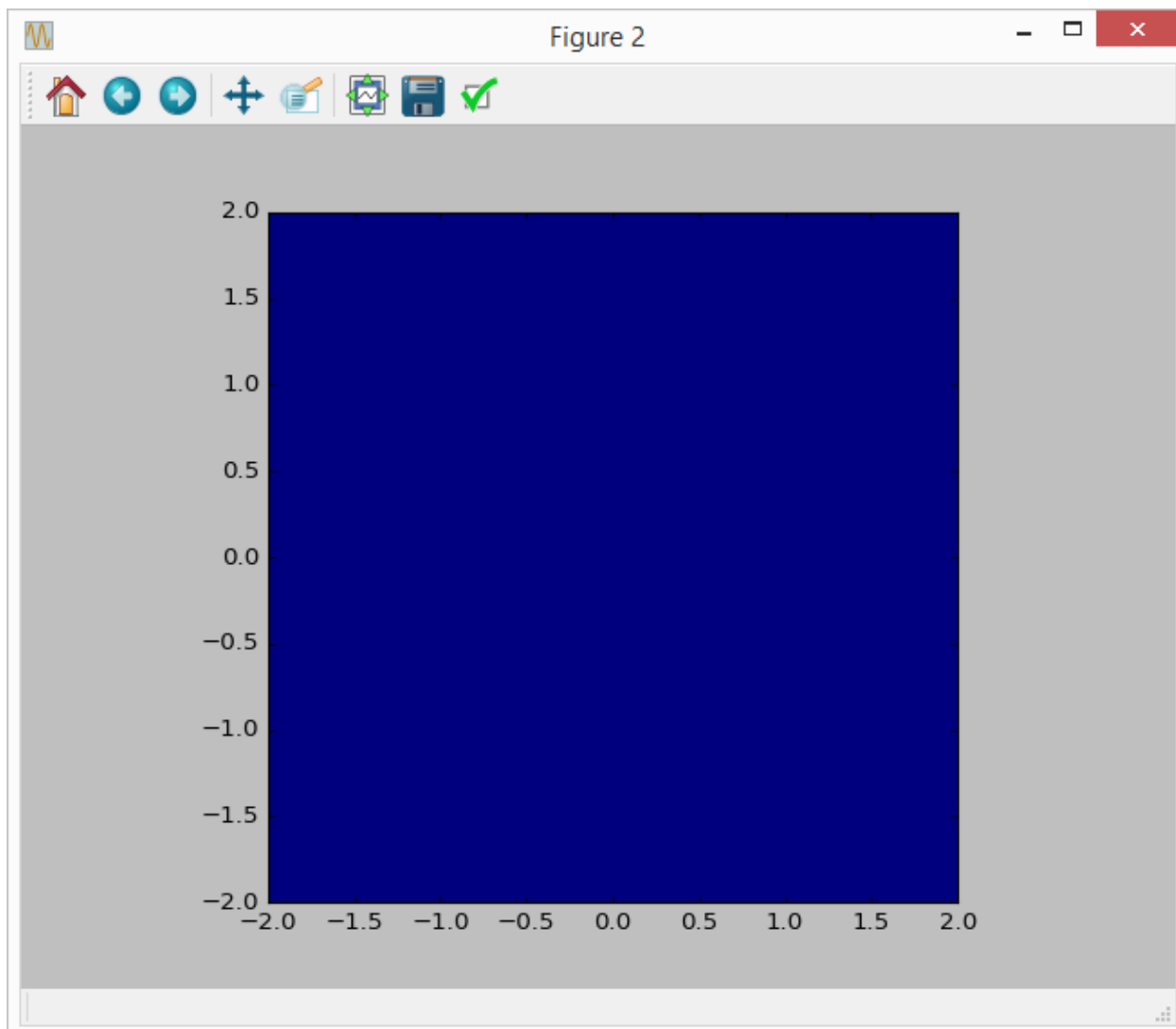Problem 1:

This was the resulting picture formed from the computation performed.