For my final project I want to visualize an email and a social network in email through the use of physics.

There is a dot at the center representing you. 4 concentric rings of dots representing people you communicate with surround you. I define two way communication as someone who has emailed you, and you have emailed them. One way communication means they have either emailed you, or you have emailed them but not both.

The first ring is people you have two way communication with, and they have been both the sole recipient and you have been the sole receiver. This means no one has been included on the to or cc lists in at least one instance each way. For example, you have emailed just Mary and Mary has emailed just you.

The second ring is someone you have two way communication with, but lack sole communication with. For example. You email just Mary, but every time Mary emails you, Jack is included.

The third ring is people you have only one way communication with. For example, you have emailed Mary, but Mary has never emailed you.

The fourth ring is people you have never had direct communication with. These are people included on CC lists who have never been in the to or from categories.

Dots are scaled in size based on the number of emails you have exchanged with them. The size is relative to all the others, and never exceeds a set size. I assume the most emails will be with people in the first ring, so each of the rings will not be evenly spaced from each other, but relative based on how much size is needed for the first ring.

These dots are all set randomly on their circles to begin with, but if you spin the visualization, the dots will reorganize based on physics to be near people they are associated with. There will be relationships between 2 dots weighted based on how many emails the two people have been included in. If there is an email with two people it is assumed that they know each other, or have an association.

When you hover over a dot you will receive their name and how many emails you have exchanged with them.

This visualization will show how close people in your network are to both you and each other.