1. How do you solve directed flow?
2. l_k distance on a tree, is embeddable in Effective Resistance.
3. $L_1^{1/2}$ is in L_1, where L_1 is the sum of cut vectors. Here, a cut vector is a cut indicator vector, each entry shifted so the sum of vector elements is 0. Note that $L_G^{\dagger/2}$ is in $L_G^{\dagger}$ for L_G a Laplacian. The same holds for Euclidean distance!
4. Why does Matrix Chernoff for $L_G^{\dagger}$ give such terrible concentration for each effective resistance?
5. Can graphical spectral sketches preserve all pairs max flow?
6. Can graphical spectral sketches / spectral sparsifiers, preserve q-norm flow?