王志鹏

I'm a third year undergraduate student major in physics, from School of Physics and Material Science, East China Normal University. I joined Professor Yang's research group in 2015. My research project is to make simulations of water with its surfaces under electric field, calculate the surface structure and surface tension as the function of applied potential on metal electrodes. Specifically, I will use constant potential method which allowed charge fluctuation on the electrode surface to model electrode, as well as SHAKE algorithm with SPCE force field to model water molecules. With the data, we will try to generate a theoretical predictive model for the relationship between surface of dipolar fluid and the magnitude of applied electric field.

学历

✧ 学士：华东师范大学物理与材料科学学院，物理学，2012 至今

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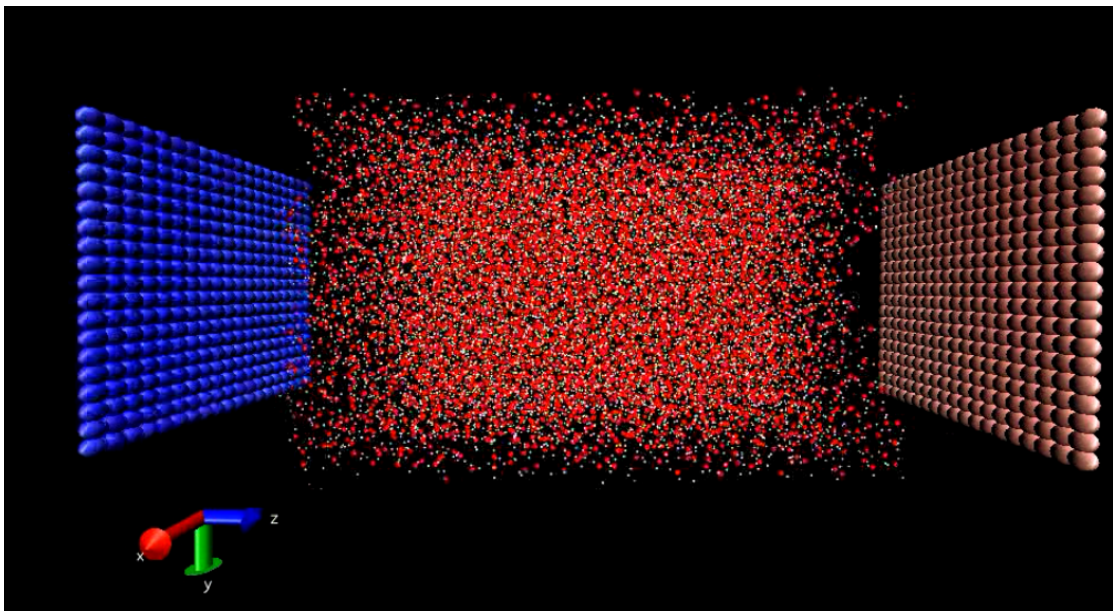

Simulation snapshot for the electrode-water system. The applied voltages on Cathode and Anode are 3V and -3V, respectively.