

Starting out, we decided that extrapolating on Kristen's solo project was the best plan, as there is a lot more potential for further investigation. It also provided a strong theoretical base for us to start with. For the timeline, we worked together to create a thorough and focused plan of events. This week, we met and talked about what the radiation pressure forces are, and extrapolated them into three dimensions. The questions we plan on tackling starting out for this next week is to derive the potential corresponding to these forces, and find the wavefunction using Schrodinger's equation this might need application of perturbation theory.

So far, Kristen has provided most of the theoretical background. Consequently, Parker has been reading up on everything to get up to speed and doubly making sure that the theory is correct and it is comprehensible to an outside audience, important as this information is to be presented. We expect the workload to balance out further as we progress in the project.