

Week Eight Update

Lane Scheel and Dr. Hang Yu

Gravitational Wave Modeling of the Galactic White Dwarf Confusion Noise

- Understand Monte Carlo simulations

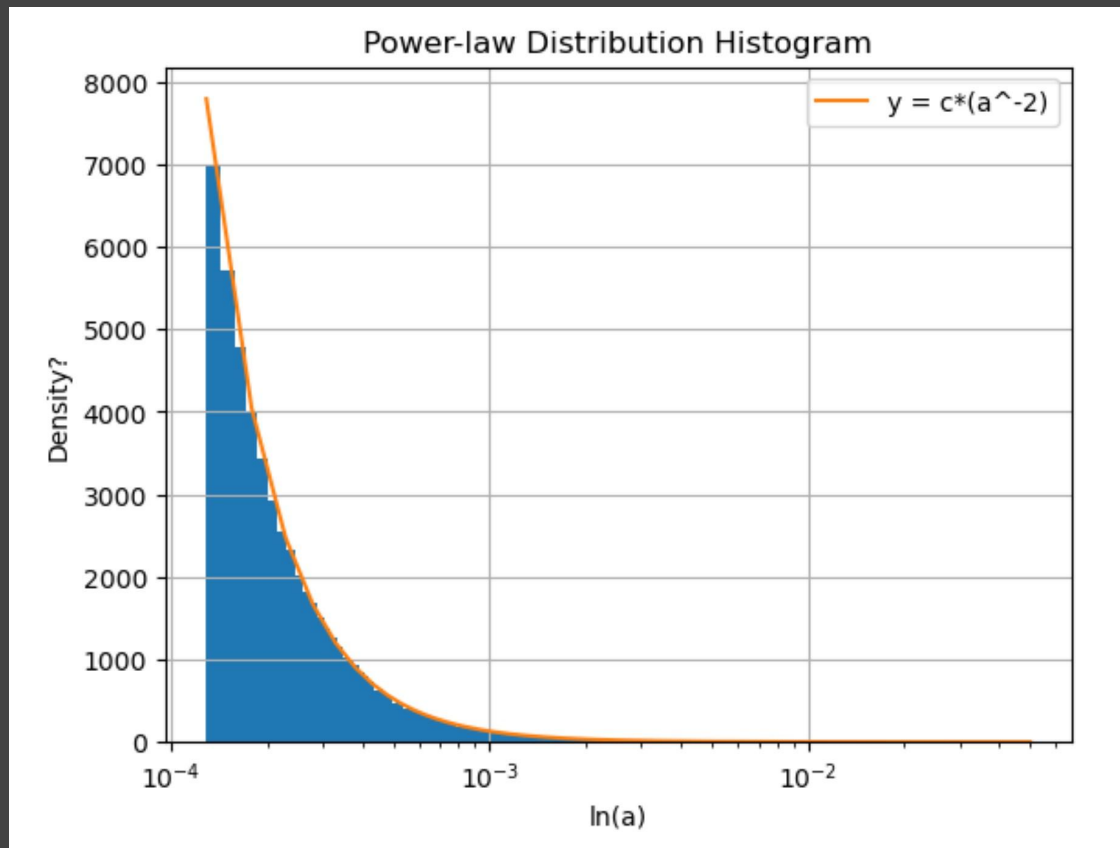
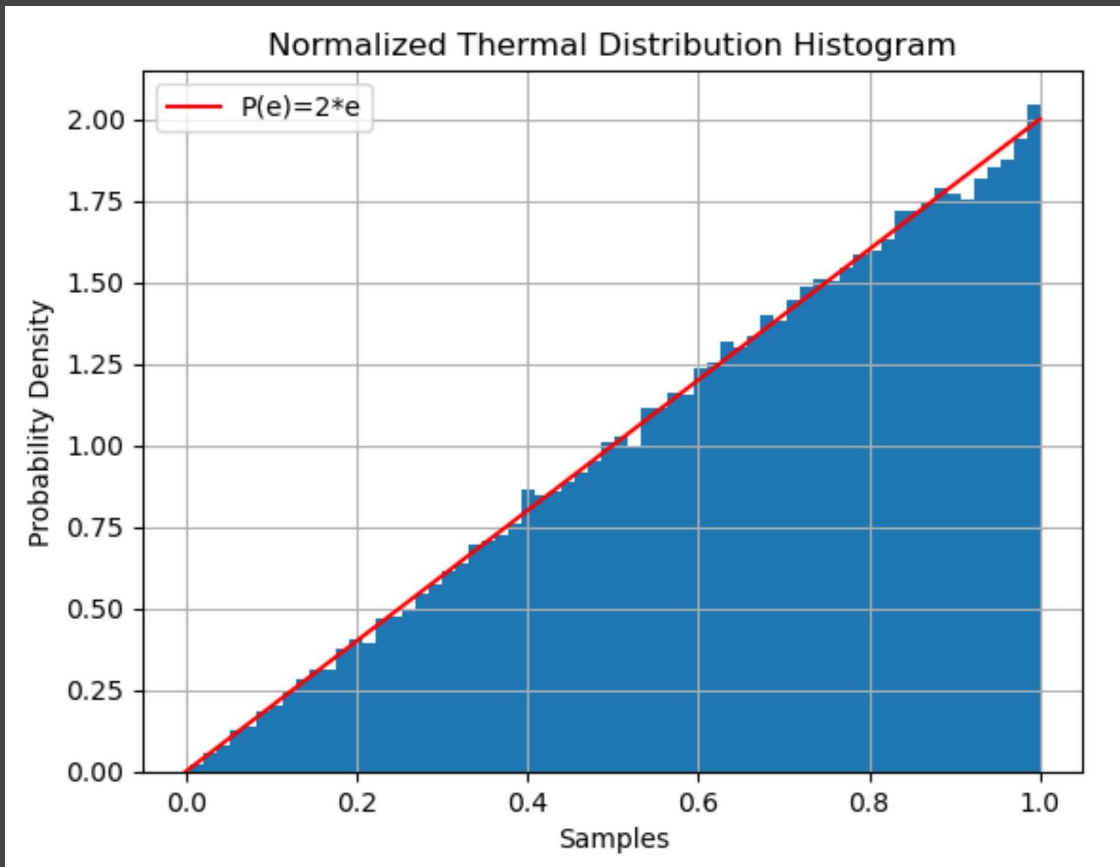
- Create my own Monte Carlo simulation

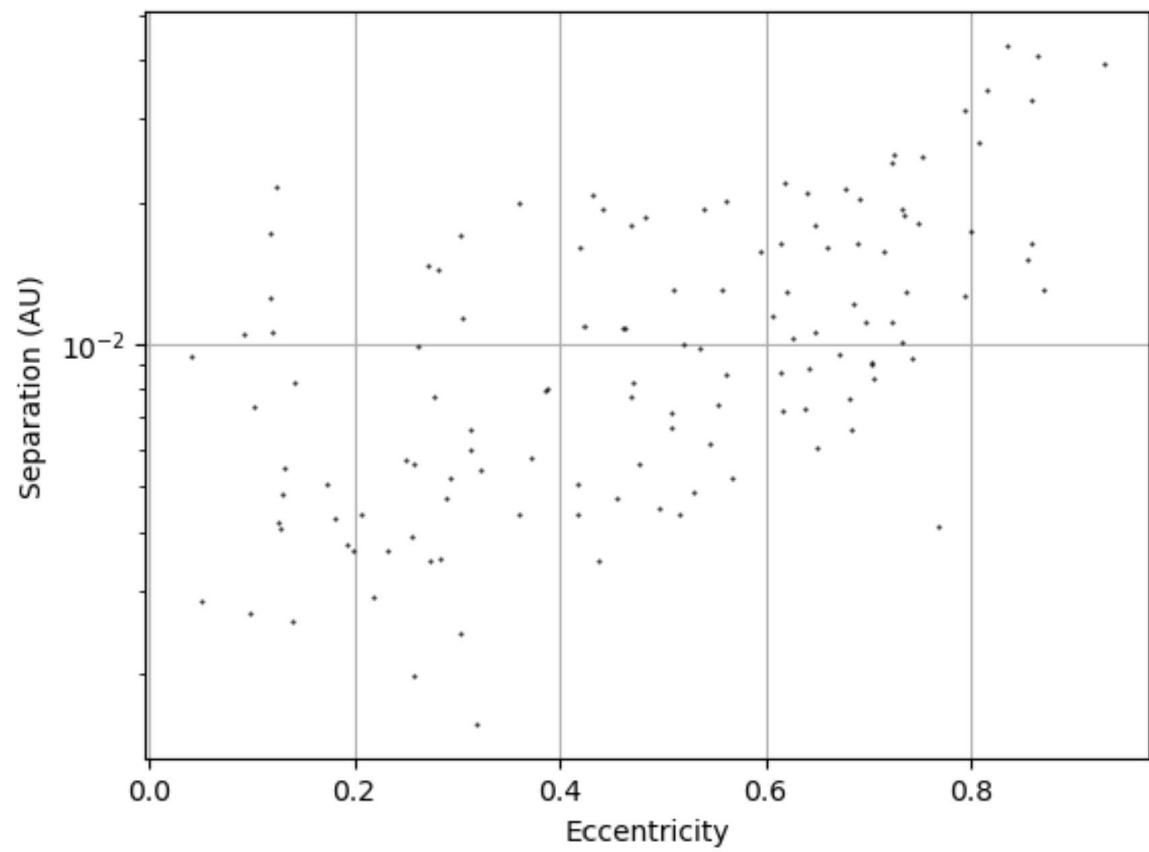
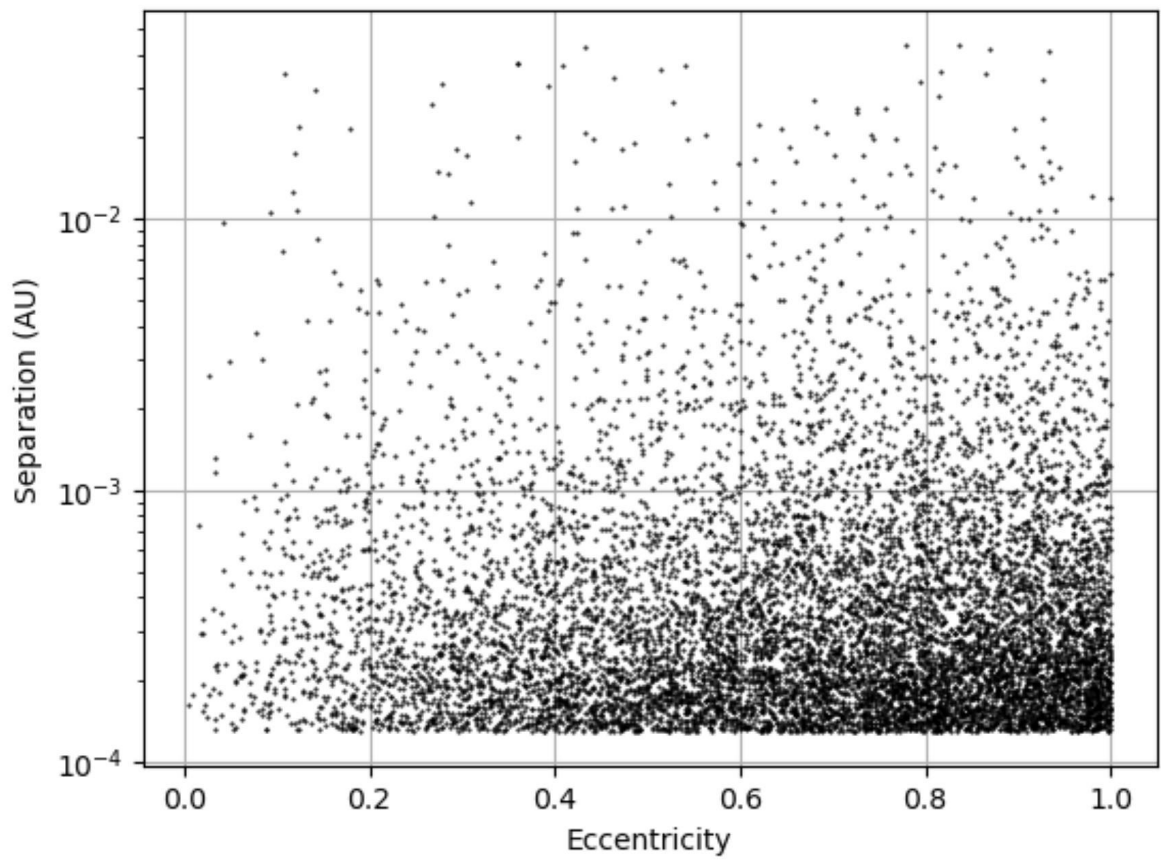
- Understand the distributions each parameter is drawn from

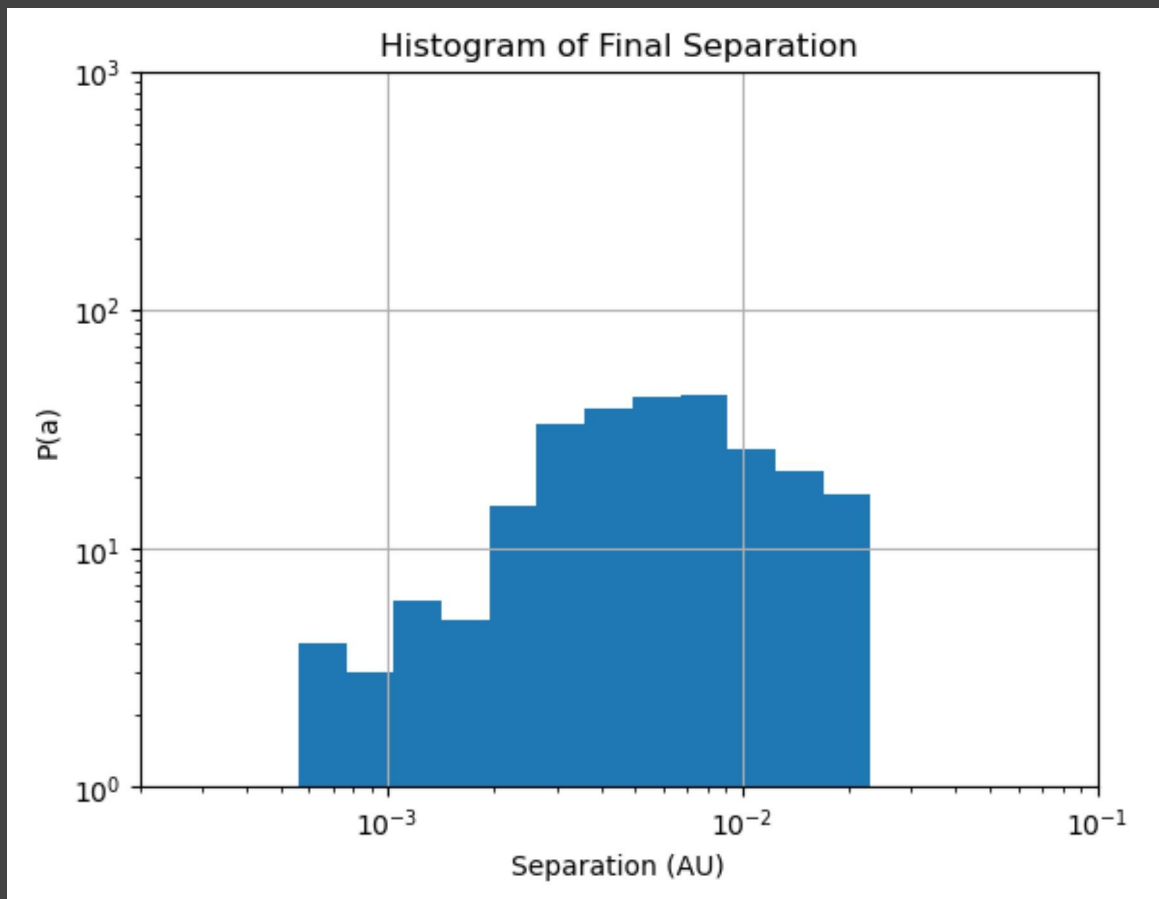
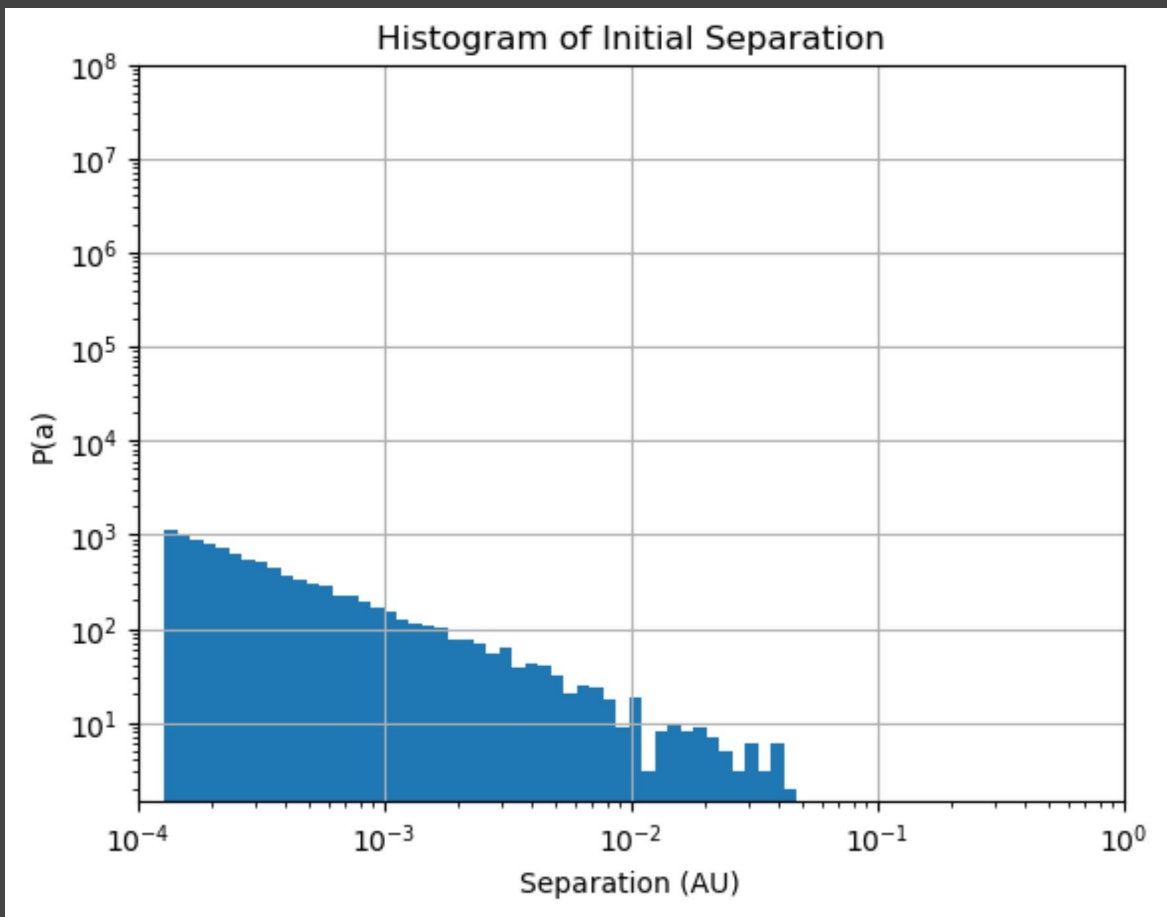
- Have the simulation evolve and filter the systems as my prior code has done

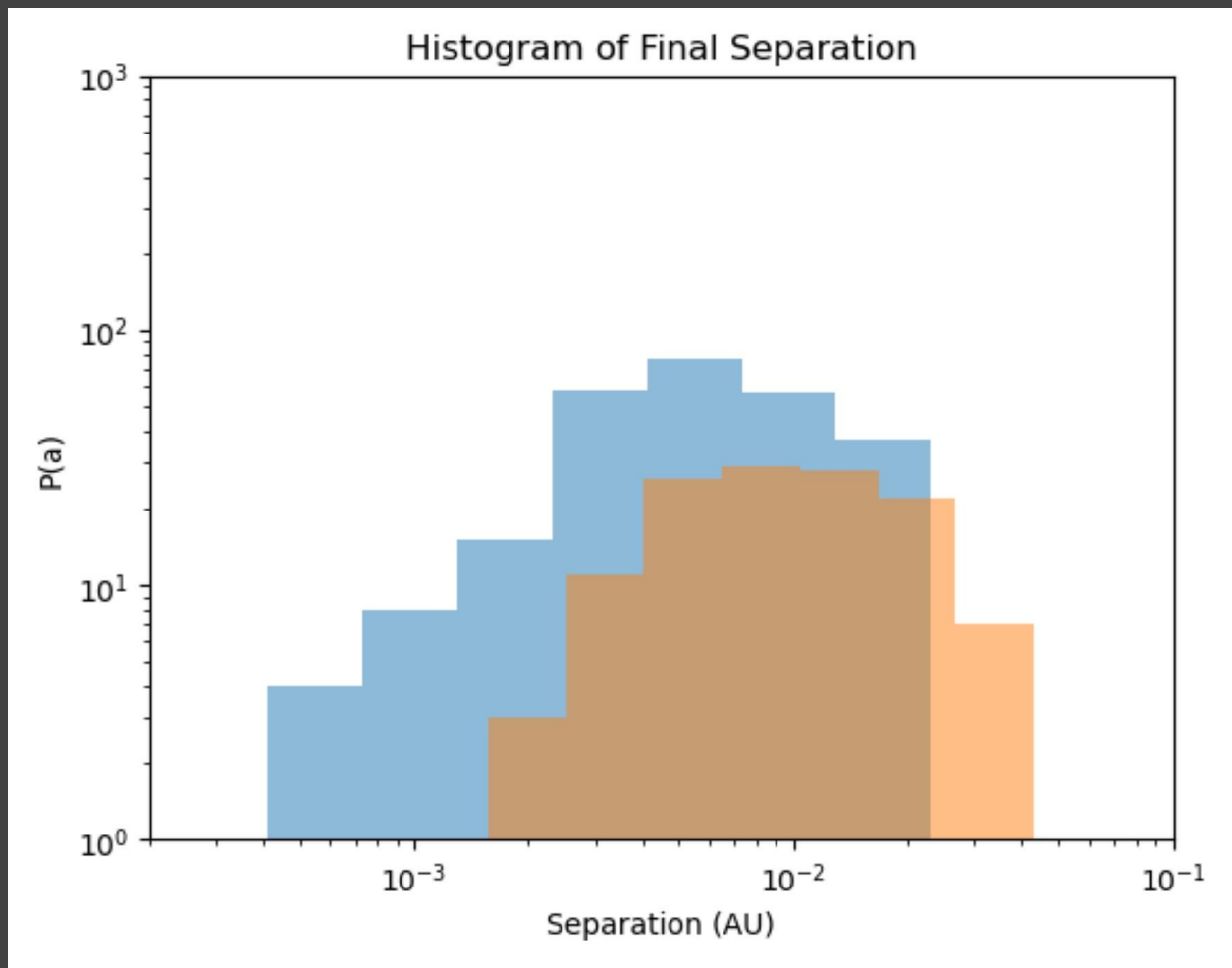
- Compare results to prior literature

- Compare the circular and eccentric cases









Next Steps:

Plot histograms for eccentricity and figure out which systems in the orange distribution above fall within LISA's sensitivity band...