



## **Virtual PHD Defense Session**

### **Stochastic Formalism in Cosmic Inflation and Primordial Perturbations**

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**Abstract.** In this defense session firstly I will briefly review the standard cosmology and the literature about the use of the stochastic formalism in cosmic inflation. Next I will speak about the main parts of my thesis, that I have used the stochastic formalism to study other aspects of cosmic inflation. At the first and second part we will see the use of stochastic inflation in ultra-slow roll and non-attractor inflation. In the third and last part the use of stochastic formalism in the evolution of electromagnetic fields at the early universe are discussed.

**Time and Date:** August 23, 2021 ( Shahrivar 1,1400)- 10:00 A.M

**Joining Link:** <https://www.skyroom.online/ch/soa/amin-nasiri>