

PHYS 743. VERY EARLY UNIVERSE.

Credits: 3

Offered by: Physics (Graduate Studies)

This course is not offered this catalogue year.

Description

Introduction to key tools used in current research in theoretical cosmology, including (i) Review of Standard Big Bang Cosmology, (ii) Inflationary Universe Models, (iii) Theory of Cosmological Perturbations, (iv) Quantum Field Theory Methods of Cosmology. (v) Topological Defects in Cosmology, (vi) Superstring Cosmology.

- Prerequisite: PHYS 514, General Relativity.
- Corequisite: PHYS 610, Quantum Field Theory 1.

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