A5682: Introduction to Cosmology

Class Cosmology Questions from Day 1

Which scenario for the end of the universe is most theoretically viable?

Is there structural uniformity in the universe and if so on how large a scale?

How do we distinguish the effects of spacetime curvature from those of an incorrect theory of gravity?

When did different species of particles arise?

Are there working and testable theories of dark matter and dark energy?

Why is there more matter than anti-matter?

What methods are used to study curvature, matter and energy contents, etc?

Why do we think there is dark energy and how can we learn more about it?