

13.1: Module Introduction

“There are at least as many galaxies in our observable Universe as there are stars in our galaxy. ”

Martin Rees

Lord Rees of Ludlow

Astronomer

(1942 -)

This module presents an overview of the islands of stars found throughout the Universe: the galaxies. Like many objects we have discovered, galaxies vary in characteristics such as size, shape, and age.

Objectives

Upon completion of this module, the student will be able to: Upon completion of this module, the student will be able to:

- Define what a galaxy is and the broad characteristics of galaxies, including galaxy types.
- Explain the history of observing galaxies.
- Recognize Hubble’s Law and its implications in astronomy.
- Differentiate among galaxy-related objects, including Quasars, Blazars, galactic grouping, WIMPs, gravitational lensing

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