

## CHAPTER OVERVIEW

### 8: Misc - Semiconductors and Cosmology

#### Topic hierarchy

[8.1: Modeling Semiconductors \(Project\)](#)

[8.2: Modeling the Universe \(Project\)](#)

Thumbnail: The Hubble eXtreme Deep Field (XDF) was completed in September 2012 and shows the farthest galaxies ever photographed. Except for the few stars in the foreground (which are bright and easily recognizable because only they have diffraction spikes), every speck of light in the photo is an individual galaxy, some of them as old as 13.2 billion years; the observable universe is estimated to contain more than 2 trillion galaxies. (Public domain; NASA).

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