

Where to Find Real Time Machines and How to Use Them

A Lecture by Andreas Faisst
Friday, September 22nd, 8:00PM
Cahill Center for Astronomy and Astrophysics
California Institute of Technology

Thanks to the finite speed of light, the farther away we look the more we see into the past. While the Moon is roughly 1 light-second away, the best telescopes that are available today allow us to look up to 13 billion years into the past to witness the infancy of our own Universe. In this talk, I will introduce the most powerful time machines currently available and those being built. I will explain how we can use these telescopes to identify and study fossil galaxies that were formed and lived in our Universe many billion years ago. Find a young galaxy from 13 billion years ago and see how vastly different it would look today!

These are free lectures at a public level followed by guided stargazing with telescopes (weather permitting). All events are held at the Cahill Center for Astronomy and Astrophysics at Caltech. No reservations are needed. Lectures are 30 minutes, stargazing lasts 90 minutes. Stay only as long as you want. For directions, parking, weather updates, and more information, please visit:

<http://outreach.astro.caltech.edu>