

The Constantly Changing Hubble Constant

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Presentation to the Mid Kent Astronomical Society
12 November 2021

Find the presentation at <https://tinyurl.com/bycke8v6>

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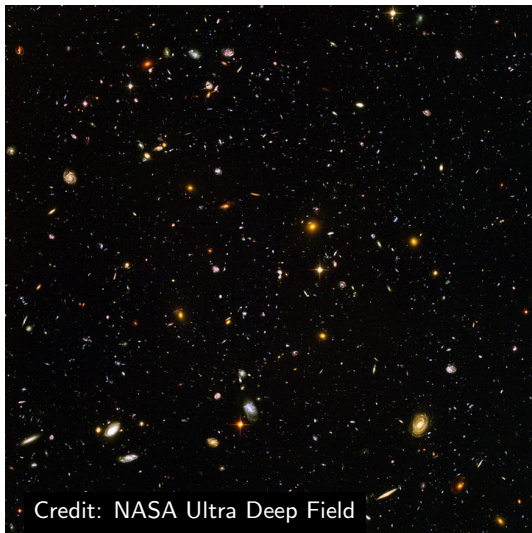
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The Universe is expanding!

- ▶ But what does this actually mean?
- ▶ How do we know it is expanding?
- ▶ Why is it expanding?
- ▶ How fast is it expanding?
- ▶ Are cosmologists completely realistic about the uncertainties in their results?

How do we know?

- ▶ Everywhere we look, distant galaxies are receding; more distant galaxies are receding faster
- ▶ So either we are at the centre of a cosmic conspiracy, or all the space between all the galaxies is expanding.



Credit: NASA Ultra Deep Field



Credit: Johan Hagemeyer (1884-1962), Public domain, via Wikimedia Commons