

# Bubble nucleation for cosmological phase transitions

*Thursday 2 May 2024 14:35 (20 minutes)*

First-order phase transitions proceed via bubble nucleation. This is true regardless of whether the transition is happening in your kettle or on a cosmological scale in the very early universe. I will give an overview of our present understanding of bubble nucleation within quantum field theory, including both long-standing theoretical questions and recent progress.

**Presenter:** Dr GOULD, Oliver (University of Nottingham)

**Session Classification:** Talks