

What is a Peculiar Velocity?

Wednesday 5 February 2025 09:30 (20 minutes)

In this talk I will look at some theoretical details of peculiar velocities. We'll explore different ways that peculiar velocities can be measured and corrected for. We'll discuss what it means to say "space is expanding" and answer the question of whether it is possible to have a galaxy "at rest" with respect to us if it is beyond the Hubble sphere (which is similar to asking whether a ruler can extend beyond the Hubble sphere). Finally, we may also explore whether the movement in our local Universe warps our view of the Universe beyond.

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