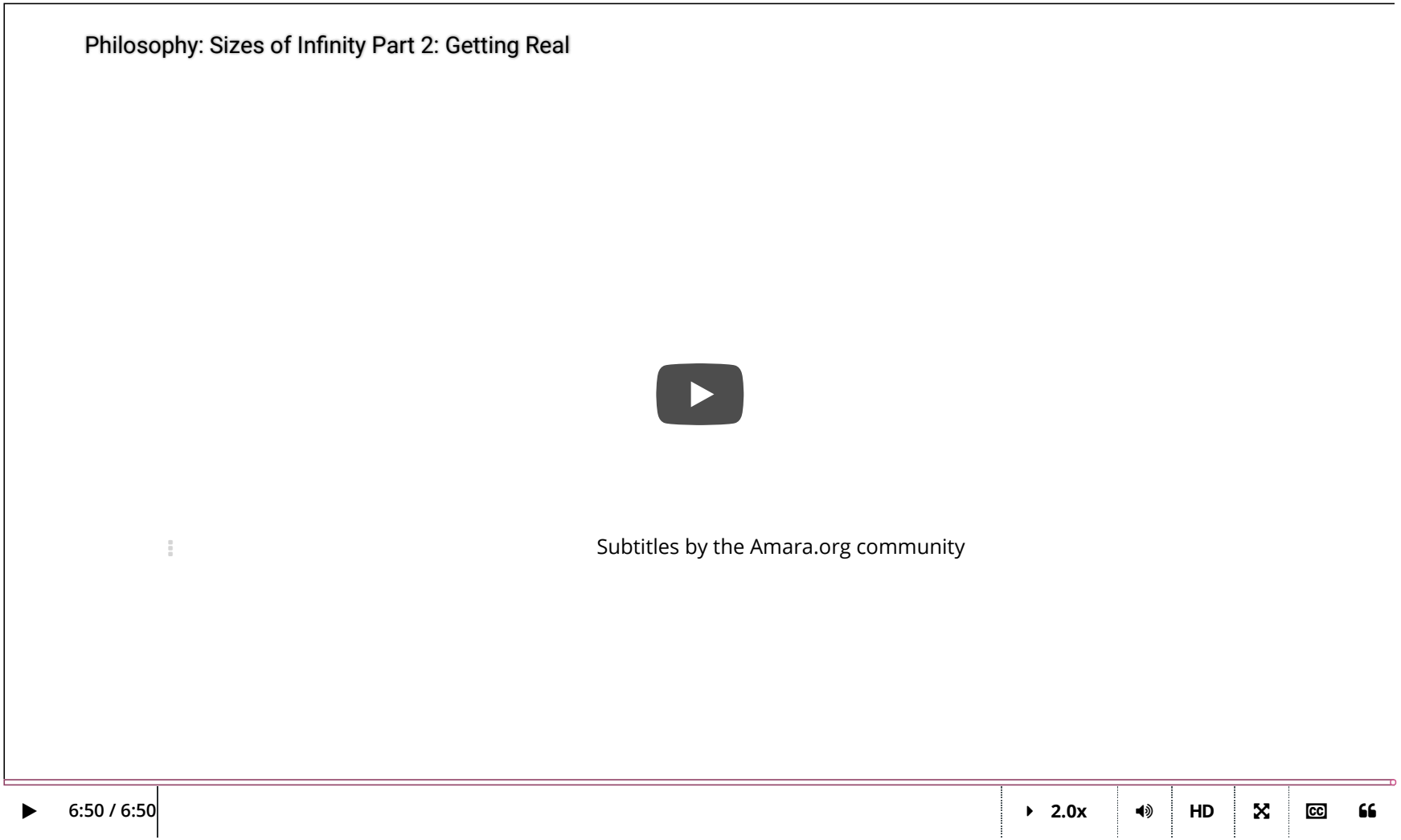
# An Informal Introduction to the Theorem

We have seen that there are just as many natural numbers as rational numbers. Is this because there is a bijection between any two infinite sets? Amazingly, the answer is 'no'. Some infinities are bigger than others! In this section, we will prove that there are more real numbers than there are natural numbers.

If you'd like to start out with an informal introduction to the material, check out the video below. It was produced by Damien Rochford and Gaurav Vazirani as part of Wi-Phi, a project which works with the Khan Academy to make philosophy more accessible to non-philosophers.

## Video Introduction: Some Infinities are Bigger than Others




## Transcripts

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