

ABSTRACT

What is the Dimension of Space?

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What is the dimension of space? Is it really 3-dimensional? In this presentation we will go back to the history of this question and speak about some of the antecedents from physics, astronomy, and mathematics that caused it to be an issue around the beginning of the 20th century. We shall also explain one of the ideas, “essential families,” that can be used to define dimension and which detects that the dimension of space is indeed 3.