

THE ALL-DIMENSION UNIT



The objects from dimensions 1 and 2, like a rope or a sphere, are easy to represent. But for the rest, you'll need to use abstract mathematics. Just because you can't draw an object doesn't mean you can't manipulate it with your mind. During the early twentieth century, David Hilbert introduced the concept of an infinite dimension and created a field of research which mathematicians are still working on today.

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6 mathematical characters are hidden in this picture. Find them!

- Filiform, that's how Jeanne's friends describe her due to how thin she is. You could even say that she only has **one dimension**.
- Pierre loves **2D**, as demonstrated by his checked T-shirt. How exciting it is to go on a roller coaster in the shape of a Möbius strip! Its particularity is that it only has one side.
- Bettie is a burlesque stripper with a curved corset: a surface with a **negative curvature** just like the tent she performs under every evening.

- With her generous **positive curvature**, Lola is as round as the ball she balances on.
- In the **fourth dimension**, you can leave a room at the same time you enter it. Will Jacky be able to escape from this cursed attraction?
- Mathematician **David Hilbert** is easy to recognise with his cloche hat, tiny glasses and goatee.