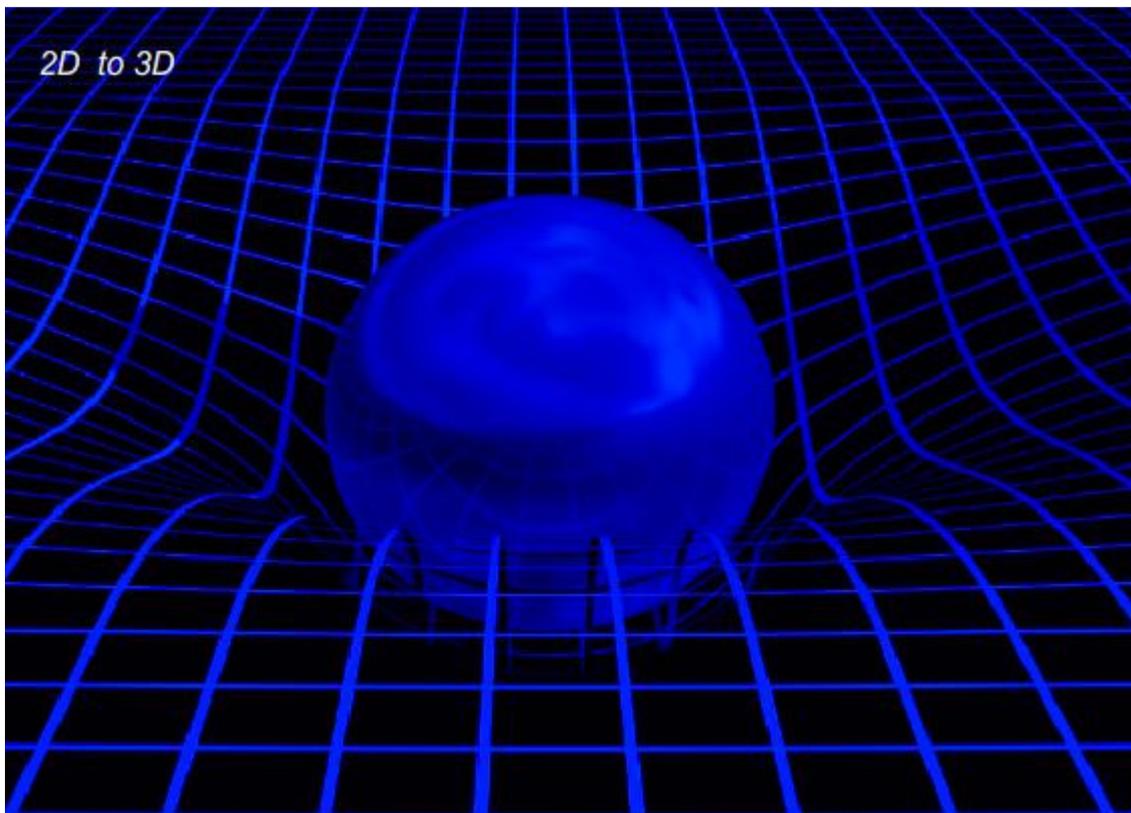


## Universes in other dimensions.

Can there be universes in dimensions other than those of our 3 (or 4 if we are talking about a time-space) ?

When we want to talk about it, we must first make sure there is a logical reason for the existence of other dimensions. I do not want to argue with the string theories, that need 10 dimensions and their integration into one M-theory 11 dimensions. These are the theories of mathematical physicists that I have not yet dealt with and I do not understand them.

To argue, I will use a fundamentally grounded theory, which is the General Theory of Relativity (GTR). All of us, who are interested in it, know that for its existence it needs a curved time-space. Let's forgive now the time dimension (we will take it as common to all universes) and therefore consider a curved 3D space. Its curvature to imagine is tricky, it's usually quite misleading as it is in the picture, but it's just a 2D curve to 3D and it's basically nonsense.



But we can certainly agree, that if we need to curve our 3D space, we need a further dimension. The 3D objects of our universe (hereafter the universe "A") will not be interfered with in the next dimension (hereafter referred to as 4.D), it need only gravity.

If there are other dimensions (and we see that they must exist), there is no point in them not being mass, why are our 3 dimensions exceptional, why should mass be only in them?

So, today's official physics, needs at least one additional spatial dimension, dimension 4.D. Will this one dimension additionally create other universes, universes in other dimensions? Yes.

Our universe "A" is in our three dimensions 1.D, 2.D and 3.D and is curved into 4.D (plus one time, but it will be common to all universes).

The universe "B" may exist in spatial dimensions 1.D, 2.D and 4.D. This universe "B" will be "intersected" with our "A" universe only in 1.D-2.D planes, but these are intangible (the planes do not have "thickness") and thus the two universes will not interfere in any way, except gravity. 3D objects of universe "A" will not interact with 3D objects of universe "B", except gravity. Universe "B" must also be curved, it can be curved into 3.D of our universe, which also suggests gravitational interaction between universes from other dimensions.

The universe "C" can then be in the dimensions 2.D, 3.D and 4.D, curved in 1.D. The universe "D" can be in dimensions 1.D, 3.D and 4.D, curved can be in 2.D.

Thus we have up to 4 universes in other dimensions, by using only one inaccessible dimension 4.D.

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