

Re: Third dimension...

Source: <http://sci.tech-archive.net/Archive/sci.math/2007-11/msg00202.html>

- *From:* "jay1bala@xxxxxxx" <jay1bala@xxxxxxx>
 - *Date:* Thu, 01 Nov 2007 12:47:24 -0700
-

On Oct 31, 3:35 pm, "jay1b...@xxxxxxx" <jay1b...@xxxxxxx> wrote:

On Oct 31, 1:44 pm, Kira Yamato <kira...@xxxxxxxxxxxxxx> wrote:

On 2007-10-31 12:52:01 -0400, "jay1b...@xxxxxxx" <jay1b...@xxxxxxx> said:

On Oct 31, 10:28 am, David W. Cantrell <DWCantr...@xxxxxxxxxxxxxx> wrote:

What is to the third dimension as a point is to the first dimension and as a line is to the second dimension?

As I noted in my original response, the answer should be "plain" to see.

David

Well put. Now ... borrowing that...

What is to the fourth dimension as a point is to the first dimension, as a line is to the second dimension and

Re: Third dimension...

as a plain is to the third dimension?

Regards,
Jay Bala.

The answer is an affine linear subspace of codimension 1 a.k.a. a hyperplane.

This answer also works for all your other analogies in this pattern too.

--

-kira

This, I thought would be the 5th. but a function of time. Yes, time is always one of the additional dimensions of first, second, third, etc. Let me hear some thoughts on this.

Fourth? I believe is a curved surface of thickness zero.

Regards,
Jay Bala.