

## Re: 24-cell

---

*Source:* <http://sci.tech-archive.net/Archive/sci.math/2009-05/msg00970.html>

---

- *From:* Mariano Suárez-Alvarez <[mariano.suarezalvarez@xxxxxxxx](mailto:mariano.suarezalvarez@xxxxxxxx)>
  - *Date:* Tue, 12 May 2009 19:03:06 -0700 (PDT)
- 

On May 12, 9:29 pm, "DanInPhilly" <[d...@xxxxxxxx](mailto:d...@xxxxxxxx)> wrote:

Years ago I read about a 4-dimensional thing called a 24-cell. It sounded very neat, that it had nice properties.

So I've been trying to find pictures/videos of it. But most are projections, either into 2-d or semi 3-d (stereoscopic).

What I really want is the analog of the following:

To explain a 3-d sphere to a 2-d (flatland) person, you can move the sphere through the flat plane. It starts off as a point, then becomes an expanding circle, then it maxes out and shrinks back to a point and disappears. So: are there any movie videos that do this with a 24-cell? (I guess the movie would have to be 3-d ish).

TIA,  
Dan in Philly

You will find, on the relvant Wikipedia page, an animation of a cross-section of the 24-cell going through.

-- m

.