

Re: Division by Zero in Nature, and Decomposition of Time.

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From: Ioannis (*morpheus_at_olympus.mons*)

Date: 01/23/05

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LEFTY wrote:

[snip]

> *I have been trying to understand continuity for years, and wind up with
> something worse,*

"Understanding" of continuity can only come from "understanding"
epsilon-delta definitions in Analysis.

> *how to construct a smooth transition from 4d to 3d
> mathematically. Maybe algebraic topology ?
> Any ideas on how to do such a thing ? I'm stumped.*

I don't see what the problem is. This is trivial mathematically. Here's
a "smooth" transition from 4D to 3D:

$f(i,j,k,t)=ai+bj+ck+dt$, $a,b,c>0$, $0\leq d\leq 1$

If you trace d towards 0 continuously, when d reaches 0 the fourth
dimension disappears. When this happens, you have constructed what's
called a "canonical projection".

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I. N. G. --- <http://users.forthnet.gr/ath/igal/>