Re: Peano's space−filling curve

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Michael Stemper <mstemper@siemens−emis.com> wrote in message news:200406091749.i59Hn1C42456@mickey.empros.com...
> In article <2ie15fFmb6g6U3@uni−berlin.de>, John Morgan writes:
>
> Thanks for the kind words. One misunderstanding that I
*> should correct, however, is that I *am* a layperson. I do*
> software project management for a living.

Aha. That explains why you were very sensitive to my predicament

> Actually, Wikipedia already has an entry:
> <http://en.wikipedia.org/wiki/Cardinality>

I'll have a read and see how well I think they've done

> >> In other words, it is impossible to find a function
*> >> f:[0,1]−>[0,1]^2 which is one−to−one, onto *and**
> >> continuous.

> >Is this true for all functions? If not, for what class of
> >function(s) has it been proved?

> for any function at all, it's true
*> that the function doesn't have *all* of those properties.*

I never knew that, or if I did it hadn't registered. Is the corollary true? If a transformation of I −−> I^2 is discovered that is 1to1, onto and continuous then it cannot be called a function.

<snip>

The rest I have now got sorted in my mind, I think. Luckily there's no exam on the way − of my maths knowledge, that is ;−).

Cheers

John