

Re: A bit scared but I dare to...

Source: <http://sci.tech-archive.net/Archive/sci.math/2007-05/msg00837.html>

- *From:* katastrofa_nadfiolatu <katastrofa.nadfiolatu@xxxxxxxxxx>
 - *Date:* 6 May 2007 02:31:22 -0700
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Well, maybe I failed to explain this line:

Now take $\text{Aut}(S^1)$ – the group of all automorphisms of S^1 and define a left action of \mathbb{Z}_2 on this group by simply combining elements. I mean, if g is an automorphism from $\text{Aut}(S^1)$ then $(eg)(\cdot) = g(\cdot)$ and $(ag) = a(g(\cdot))$.

Transformation g is acting on an elements of S^1 and gives obviously also elements of S^1 . Element e acts on this group as an identity. Element a acts on element g from $\text{Aut}(S^1)$ and gives some g' which act as follows:

(lets put $\exp(im)$ as an arbitrary element of S^1)
 $g'(\exp(im)) = a(g(\exp(im))) = a(\exp(im')) = \exp(-im')$

I hope that now someone will drop a line
k_n

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