

Re: Implementable Set Theory and Consistency of ZFC

Source: <http://sci.tech-archive.net/Archive/sci.math/2007-10/msg03438.html>

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 - *Date:* Thu, 18 Oct 2007 13:52:09 -0400
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Han de Bruijn <Han.deBruijn@xxxxxxxxxxxxxx> writes:

hagman wrote:

This is still not correct as the Axiom of Infinity is an axiom of ZFC and does not hold in your model (which is thus a model of ZFC-Infinity, in fact one of ZFC-Infinity+~Infinity).

With help of a bijection, which was basically discovered by Alexander Abian, a "simple model", or rather an Implementation of Set Theory in memory of common digital computers, has been conceived, in theory as well as in practice. With the implementation it can be proved that eight out of the nine axioms of ZFC are consistent, and that only the first four axioms are necessary for a constructive build of all sets.

It's not clear to me what the last claim means, but regardless, it must mean something about "all sets" in this particular model of ZFC - Infinity and not all sets of ZFC.

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"[I]f I could go back, [...] I would tell myself not to step into a position where the fate of the entire world could rest in my hands. I would [avoid this] path to a nightmarish and surreal world, a topsy-turvy world, where everything changes." — James S. Harris cannot escape his destiny.

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