Re: Implementable Set Theory and Consistency of ZFC

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- *From*: Han.deBruijn@xxxxxxxxxxxxxx

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On 18 okt, 19:52, "Jesse F. Hughes" <je...@xxxxxxxxxxxxx> wrote:

> Han de Bruijn <Han.deBru...@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).

No. The latest version is about (ZFC−Infinity).
I've mentioned (+~Infinity) nowhere in the article.
Infinity is not denied, it's simply outside the scope of our article.

> > 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.

No. It's about all sets in (ZFC − Infinity). And the "particular
model"
is any implementation, is anything applicable.

Han de Bruijn

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