

Re: My investigations into Godels Incompleteness Theorem

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Peter_Smith wrote:

So reasonably enough I thought it was the argument starting from w-consistency you were talking about as not being well represented. I gave evidence that it was well-represented. And so I was consequently puzzled by the fact that the first quote you gave to support your case mentioned w-consistency!

Yes – they all explained that they weren't going to include this stronger theorem (which was my contention, not to be contentious, of course.)

Around here, the working rule is that if it is published it must be true, and if it hasn't been published then the author is a crank. So I first listed some instances where the author himself admitted that he was not including the stronger theorem. (Then I listed some examples where Rosser's theorem was not mentioned at all.)

I like incompleteness in logic, not incompleteness in texts. For 40 years Gregory Chaitin has been bragging that he made an improvement to Godel's weaker theorem, never mentioning Godel's stronger theorem or Rosser's stronger yet. Now does that make any sense?

That's why I said I was lost. Now you are talking about the Rosser proof, it seems. Well, whatever.

My sense is that the mathematically apt student who wants to get to grips with incompleteness proofs is stunningly well provided with a range of wonderful textbooks (with different emphases to be sure).

"Emphases", 'eh? What a euphamism for an incomplete text.

Re: My investigations into Godels Incompleteness Theorem

A situation to celebrate rather than carp about, I think :-)

No carping here – simply trying to set the record straight.

C–B

(Speaking of which, these other theorems are not actually stronger. They merely use different premises. This become clear if we formalize the proofs, by expressing them in any Computationally Based Logic.)

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