

Re: Maximal/ly

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- *From:* Frederick Williams <Frederick.Williams1@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Fri, 24 Mar 2006 14:32:03 GMT
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"David C. Ullrich" wrote:

On Thu, 23 Mar 2006 18:02:27 GMT, Frederick Williams
<Frederick.Williams1@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

A set, S, of propositional formulae is said to be "maximal consistent" (or just "maximal") if S is consistent and, for each propositional formula phi, either phi in S or not-phi in S. But in Goldblatt [1] I came across "maximally consistent". Wondering if I has misremembered the jargon I rummaged around and found "maximal" in another Goldblatt [2] and in Lemmon [3].

I wouldn't mind if somebody told me which is correct. I wouldn't mind even more if they justified their answer.

I don't think it's going to matter to anyone which term you use, but it seems clear to me that "maximal consistent" is correct.

We're talking about a maximal element of the class of consistent sets. So that would be a

maximal [consistent set]

or in English, "maximal consistent set".
Here "consistent set" is modified by "maximal".

Yes, that's what I thought.

On the other hand, in the spelling "maximally consistent set" the word "maximally" appears to be modifying "consistent". So a "maximally consistent set" would be a set S such that the consistency of S was some "maximal" sort of consistency. But there's no such thing

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Ditto.

Thanks.

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