

Re: Macro for inserting numbered equations–error

Source:

<http://www.tech–archive.net/Archive/Mac/microsoft.public.mac.office.word/2007–08/msg00156.html>

- *From:* John McGhie <john@xxxxxxxxxxx>
 - *Date:* Wed, 08 Aug 2007 22:30:55 +0800
-

Hi Dave:

Yes, the persistent corruption of complex documents was the reason Microsoft moved to XML, and XML is a lot more robust.

Of course, people who work in Word all day long can get the previous format to hang together for months or years of heavy editing of complex documents. Professional users can do it, but it's unrealistic to expect new users to work with such a degree of precision.

I believe the ODF Transform is there already, for people who can do without complex objects. ODF does not support much beyond simple "formatting". It was intentionally designed as a simple format with a low implementation cost. OOXML is much richer.

Cheers

On 7/8/07 9:10 PM, in article
1186492247.516481.54730@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx, "Dave M."
<dave.minerath@xxxxxxxx> wrote:

Thanks John—I'll have to re–read those two tips, as I thought they included inserting the blank equation.

As far as Word/OpenOffice/NeoOffice go, I actually migrated AWAY from Word to boost my productivity; early in my graduate thesis, Word kept corrupting my documents if I worked on them for more than an hour or two. I use a lot of inserted equations, charts, spreadsheets, etc.

There's a page at Design Science that details several methods of working around the problem, but the base problem is that the .doc format is so bloated that complex documents tend to get corrupted a bit easily. I found that disappointing, as I had Word set up just the way I wanted it, with the different text formats, page layouts, etc. I also preferred Excel, as I could do various linear regressions quite easily (OpenOffice Calc leave a bit to be desired there).

I've never had such document corruption issues using OpenOffice/

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NeoOffice and the ODF format. The .docx OOXML format may be better so I'm waiting for that to come out; I also hope that somebody writes some plug-in or add-on for Word for Mac that supports the ODF format as well.

Dave

On Aug 3, 6:33 pm, John McGhie <j...@xxxxxxxxxxxx> wrote:

Hi Dave:

I would be tempted not to bother with a macro at all.

1) Use a style to set the formatting and tabs. If you set the Equation style to have a "Style for following paragraph" of "Normal" you won't have to bother resetting any formatting, just hit Enter at the end of the caption.

2) Use an AutoText to contain the SEQ field and parentheses. Give it a short non-word name (e.g. "#nh" for "Number Here"). Whenever you want one just type "#nh" and hit Space. The name must be a minimum of three characters: ensure it is not likely to occur as a word or you will get a number any time you type the word....

There's nothing wrong with the Design Science tip: but it suggests that you record a macro only to insert the number! They know as well as I do that if the equation is not there already it will blow up! :-)

My suggestion is to use an AutoText. If you do, you can create a dummy equation, with all of the formatting and styles and numbered caption in place and just insert the entire thing in one go. You can even assign a keystroke to it so that you don't have to type anything.

Note: I have not told you how to do this because I want you to read it all up in the Word help. That will save me pages of typing, and you literally years of your life, because once you learn to use the Word help your productivity shoots up. However, if you get stuck with this, by all means come back and we'll be delighted to help you along.

Microsoft Word is a lot more powerful than either of the other two: it has an order of magnitude more power tools available when you get serious with it :-)

Cheers

On 4/8/07 12:43 AM, in article
1186159381.862447.73...@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx, "Dave M."

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<dave.miner...@xxxxxxxxxx> wrote:

Thanks for the reply. If I have to insert some sort of temporary or "dummy" equation, I'm willing to do that; NeoOffice and OpenOffice (which I currently use) both do exactly that when using their numbered equation macro.

Is this phenomonon specific to the Mac version? There are instructions on the web for doing what I am trying to do but they seem to be focused on the Windows version:

<http://ist.uwaterloo.ca/ec/equations/equation.html>

http://www.dessci.com/en/products/ee/ee_tips.htm#eqn_numbers(tips 4 and 5)

By your suggestion, I would have to split the macro into two separate macros or just do most of the work manually. The reason I say that is because the line with the equation is also formatted differently than surrounding text. For the equation line, I set a centering tab at the center of the two margins and a right–justified tab just before the right margin.

I see this as the sequence of events:

(1) MACRO: Set tabs, tab over to center tab

MANUAL: Insert desired equation

(2) MACRO: Insert parenthesis, sequence field, close parenthesis,

carriage return, reset tabs to normal style

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In any case, I'll give your suggestion a try.

Thanks,
Dave

On Aug 3, 10:27 am, John McGhie <j...@xxxxxxxxxxxx>
wrote:

Hi Dave:

In each case, you are adding an equation that doesn't yet exist, so the macro is blowing up because the equation is empty.

This is not really a macro that you can "Record", you would need to write it to get it to work.

May I suggest that you simply record the macro that places the correct number, and use that AFTER you have inserted the equations. In other words, don't try to record the step that inserts the equation.

You can't record that step anyway, because the equation doesn't exist (or if it does, you will insert the SAME equation each time the macro runs).

Cheers

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On 3/8/07 9:12 AM, in article
1186103567.973853.6...@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx,
"Dave M."

<dave.miner...@xxxxxxxx> wrote:

Sorry, I'm going to reply to
myself here...

The first macro was done by
clicking the Equation Editor
toolbar
button. The following was
recorded using the
INSERT-OBJECT-MICROSOFT
EQUATION method. The
results were the same.

I have VBA installed from
the Office installation, as
well as the
Equation Editor.

```
Sub InsertEquation2()  
,  
,  
  
Selection.Style =  
ActiveDocument.Styles("Numbered  
Equation")  
Selection.TypeText  
Text:=vbTab  
Selection.InlineShapes.AddOLEObject  
ClassType:="Equation.3",  
FileName:="", _  
LinkToFile:=False,  
DisplayAsIcon:=False  
Selection.TypeText  
Text:=vbTab & "("  
Selection.Fields.Add  
Range:=Selection.Range,  
Type:=wdFieldEmpty,  
Text:= _  
"SEQ eq",
```

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```
PreserveFormatting:=True  
Selection.TypeText  
Text:=")"  
Selection.TypeParagraph  
End Sub
```

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Don't wait for your answer, click
here:<http://www.word.mvps.org/>

Please reply in the group. Please do NOT
email me unless I ask you to.

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