

Demonstration of capabilities of tex2word and tex2docx

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1 General Text formatting

1.1 Playing around with bold and italic

Normally formatted text looks like this. ¹ **Common text formatting is supported, just as you would expect. *Nested bold and italic works as well.*** Note that the width of a line is larger in Word than in the default LaTeX uses.

1.2 A normal paragraph again

New paragraphs are back to the default. Since every kind of text formatting has to be manually added to the xslt files, just contact me (l.kohlhasse@jacobs-university.de) if your text formatting doesn't work.

¹Footnotes are also possible. **Markup in footnotes works as well**

1.3 Lists

1. item1
 - (a) nested item 1
 - (b) nested item 2
2. item 2
3. item 3 ...

Note that I haven't been able to make itemize lists work with showing dots instead of numbers. At the moment all lists are enumerated.

1.4 Errors

Errors are printed in red. If the output is simply Error: nameoftag , then this probably means that LaTeXML did not recognize your macro.

If it says the stylesheet did not recognize the element then this is an error in the stylesheet and you should contact me (l.kohlhase@jacobs-university.de) so that I can add the appropriate things to the stylesheets.

1.5 Tables

1	2	3
4	5	6
7	8	9

Everything should work here, but sometimes there is trouble with nested tables.

2 mathematics

All kinds of mathematics is able to be displayed.

Inline math works, $a^2 + b^2 = c^2$, but as in TeX be careful with the bigger ones, they might look weird $\sum_{k=0}^{\infty} \frac{x^k}{k!} = e$

Note that the limits of the sum are not at the correct places, even though I used `\limits` .

Display math:

$$\sum_{k=0}^{\infty} \frac{x^k}{k!} = e$$

And everything looks proper again. However there are still some slight differences that are inherent to the different ways of representing math.

Equations look like this

$$a^2 + b^2 = c^2 \tag{1}$$

The align environment looks like this:

$$\begin{array}{rcl} a^2 + b^2 = c^2 & = \frac{E}{m} & (2) \\ & = 26 & (3) \\ & = 123 & \end{array}$$

Evidently this does not work well. This is an issue with the transformation of MathML to OMML (word math format) that I am not in a position to fix.

3 pictures



Including graphics works as well. Note that the only supported formats at the moment are jpeg, png and eps. Graphics need to be kept in the same directory as the .tex file or in one of its subdirectories.

Figures etc. Work, however captions are not supported at the moment.

4 references

[ob93] [iobobk2] [aobt1, aoin1] Note that when first opening these references and using `-profile=word`, they are not formatted yet and only appear as numbers. To change the citation style, go to the references tab and then change the style in the style selector. Standard LaTeX References have the style IEEE 2006. Note that the bibliography is not added by default if you used `-profile=word`. In this case you again go to the references tab, click on Bibliography and then on Works cited to insert it yourself.

References

[aobt1] author of booklet1. title of booklet1. howpublished of booklet1, address of booklet1, month of booklet1 year of booklet1.

- [aoin1] author of incollection1. title of incolleciton1. In editor of incollection1, editor, *booktitle of incollection1*, series of incollection1, type of incollection1 chapter of incollection1, page pages of incollection1. publisher of incollection1, address of incollection1, edition of incollection1 edition, month of incollection1 year of incollection1. note of incollection1.
- [iobobk2] Anal investigator of book2 and Author2 of book2. *title of book2*, volume volume of book2 of *series of book2*. publisher of book2, address of book2, edition of book2 edition, month of book2 year of book2. note of book2.
- [ob93] Author of book1. *title of book1*. Publisher of book1, address of publisher of book1, 1993.