

Contents

This document is a basic test of DiscoT_EX's functionality. Tests are organized according to the order given on this page.

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6 Layout

7 Sectioning

This entire document is a test that sectioning and subsectioning works.
blah

The `\paragraph` and `subparagraph` commands have yet to be implemented.
To see that `\subsubsection` works,

7.0.1 Latin text

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed porttitor sodales nulla, vel vulputate ligula egestas vitae. Aliquam vitae tristique sem. Aenean egestas finibus eros et viverra. Sed eget finibus ex. Cras sodales efficitur diam, id ullamcorper turpis blandit id. Vestibulum lacus erat, iaculis in sapien vitae, pellentesque condimentum massa. Curabitur sed dui lectus. Maecenas leo purus, elementum quis tempor et, volutpat quis nunc. Vestibulum placerat, ex nec viverra mollis, orci quam elementum purus, eget iaculis lorem turpis a nisi. Aliquam viverra vulputate luctus.

We can also have a subsection and then subsubsections

7.1 Lorem Ipsum

7.1.1 Second paragaprh

Nulla non neque scelerisque, vestibulum velit eu, euismod tellus. Vivamus vulputate consequat leo, in sollicitudin mauris scelerisque in. Curabitur pharetra risus ac justo feugiat, nec maximus erat mollis. Donec et consequat est. Ut rhoncus diam vitae ex vulputate tristique. Ut tempus sit amet dolor nec sodales. Cras ornare, justo a pellentesque porttitor, lectus libero tempus tellus, ac gravida velit erat a erat. Phasellus nulla metus, porttitor eu felis vel, elementum vulputate nisl. Pellentesque in gravida metus, eu dictum tellus. Sed gravida, odio eu varius aliquet, urna mi laoreet lacus, at dapibus mauris nisi ac erat. Proin eget pretium odio. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos.

7.1.2 Third paragraph

Suspendisse at nisi lectus. Curabitur finibus quam nunc, id tristique odio finibus nec. Curabitur ullamcorper, erat non pretium congue, purus nibh efficitur mauris, nec aliquet arcu nulla et eros. Vivamus rhoncus pharetra mollis. Fusce vitae justo egestas, ultrices sem eget, lobortis ipsum. Proin semper ligula quis elit tincidunt, ac mollis urna rutrum. Aenean metus mi, dapibus ac lectus ut, vestibulum vulputate risus. Quisque orci purus, tincidunt eget ullamcorper in, pellentesque sit amet nulla. Cras hendrerit felis in sollicitudin elementum. Maecenas varius massa vitae orci dapibus malesuada. Mauris sollicitudin lacus ante, at commodo nunc ullamcorper a. Sed accumsan enim tempus mi sagittis, vitae laoreet mauris tincidunt. Praesent orci felis, maximus eget feugiat sed, molestie et dui.

8 Cross references

This section is Section ??.

The previous sentence was implemented with labels and references.

9 Environments

9.1 abstract

Abstract

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed porttitor sodales nulla, vel vulputate ligula egestas vitae. Aliquam vitae tristique sem. Aenean egestas finibus eros et viverra. Sed eget finibus ex. Cras sodales efficitur diam, id ullamcorper turpis blandit id. Vestibulum lacus erat, iaculis in sapien vitae, pellentesque condimentum massa.

Curabitur sed dui lectus. Maecenas leo purus, elementum quis tempor et, volutpat quis nunc. Vestibulum placerat, ex nec viverra mollis, orci quam elementum purus, eget iaculis lorem turpis a nisi. Aliquam viverra vulputate luctus.

9.2 array

9.3 center

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed porttitor sodales nulla, vel vulputate ligula egestas vitae. Aliquam vitae tristique sem. Aenean egestas finibus eros et viverra. Sed eget finibus ex. Cras sodales efficitur diam, id ullamcorper turpis blandit id. Vestibulum lacus erat, iaculis in sapien vitae, pellentesque condimentum massa.

Curabitur sed dui lectus. Maecenas leo purus, elementum quis tempor et, volutpat quis nunc. Vestibulum placerat, ex nec viverra mollis, orci quam elementum purus, eget iaculis lorem turpis a nisi. Aliquam viverra vulputate luctus.

9.4 description

First First description item

Second Second description item

Unlabelled description item

9.5 display math

9.6 document

This entire document is a test of the *document* environment.

9.7 enumerate

1. First item
2. Second item

- (a) First of second item
- (b) Second of second item
- (c) Third of second item

3. Third item

9.8 eqnarray

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

$$< (a + b)^2 \tag{2}$$

$$a^2 + b^2 = c^2$$

$$< (a + b)^2$$

9.9 equation

$$a^2 + b^2 = c^2 \tag{3}$$

9.10 figure

9.11 filecontents

9.12 flushleft

9.13 flushright

9.14 itemize

- First item
- Second item
 - First of second item
 - Second of second item
 - Third of second item
- Third item

9.15 letter

9.16 list

9.17 math

9.18 minipgae

9.19 picture

9.20 quotation

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed porttitor sodales nulla, vel vulputate ligula egestas vitae. Aliquam vitae tristique sem. Aenean egestas finibus eros et viverra. Sed eget finibus ex. Cras sodales efficitur diam, id ullamcorper turpis blandit id. Vestibulum lacus erat, iaculis in sapien vitae, pellentesque condimentum massa.

Curabitur sed dui lectus. Maecenas leo purus, elementum quis tempor et, volutpat quis nunc. Vestibulum placerat, ex nec viverra mollis, orci quam elementum purus, eget iaculis lorem turpis a nisi. Aliquam viverra vulputate luctus.

9.21 quote

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed porttitor sodales nulla, vel vulputate ligula egestas vitae. Aliquam vitae tristique sem. Aenean egestas finibus eros et viverra. Sed eget finibus ex. Cras sodales efficitur diam, id ullamcorper turpis blandit id. Vestibulum lacus erat, iaculis in sapien vitae, pellentesque condimentum massa.

Curabitur sed dui lectus. Maecenas leo purus, elementum quis tempor et, volutpat quis nunc. Vestibulum placerat, ex nec viverra mollis, orci quam elementum purus, eget iaculis lorem turpis a nisi. Aliquam viverra vulputate luctus.

9.22 `tabbing`

9.23 `table`

9.24 `tabular`

a	b	x^2
this	is	sparta
1	2	3

9.25 `thebibliography`

9.26 `theorem`

9.27 `titlepage`

The next page is a titlepage created with the *titlepage* environment.

This document was last edited March 22, 2015.

9.28 verbatim

This is a verbatim environment.
I can put \LaTeX commands in it
and

newlines
and they are read in exactly.

We can also do the same stuff inline with the `\verb` command.

9.29 verse

Roses are red
Violets are blue
This poem doesn't rhyme.

- 10 Line breaking
- 11 Page breaking
- 12 Footnotes
- 13 Definitions
- 14 Counters
- 15 Lengths
- 16 Making paragraphs
- 17 Math formulas
- 18 Modes
- 19 Page styles
- 20 Spaces
- 21 Boxes
- 22 Special insertions
- 22.1 Reserved characters

The following characters are reserved and must be escaped:

`#, $, %, &, -, {, }`

22.2 Symbols

<code>\copyright</code>	©	<code>\dag</code> or <code>\textdagger</code>	† or ‡
<code>\ddag</code> or <code>\textdaggerdbl</code>	‡ or †	<code>\LaTeX</code>	L ^A T _E X
<code>\dots</code> , <code>\ldots</code> , or <code>\textellipsis</code>	..., ..., or ...	<code>\lq</code>	‘
<code>\P</code> or <code>\textparagraph</code>	¶ or ¶	<code>\rq</code>	’
<code>\S</code>	§	<code>\TeX</code>	T _E X
<code>\textasciicircum</code>	^	<code>\textasciitilde</code>	~
<code>\textasteriskcentered</code>	*	<code>\textbar</code>	
<code>\textbardbl</code>		<code>\textbraceleft</code>	{
<code>\textbraceright</code>	}	<code>\textbullet</code>	•
<code>\textdollar</code> or <code>\\$</code>	\$ or \$	<code>\textemdash</code>	—
<code>\textendash</code>	–	<code>\textexclamdown</code>	¡
<code>\textgreater</code>	>	<code>\textless</code>	<
<code>\textordfeminine</code>	a	<code>\textordmasculine</code>	o
<code>\textquestiondown</code>	¡	<code>\textquotedblleft</code> or ‘‘	“ or “
<code>\textquotedblright</code> or ’’	” or ”	<code>\textquoteleft</code> or ‘	‘ or ‘
<code>\textquoteright</code> or ’	’ or ’	<code>\textregistered</code>	®
<code>\texttrademark</code>	TM	<code>\textunderscore</code>	_
<code>\textvisiblespace</code>	␣		

Other symbols that need to be tested more thoroughly are:

22.3 Circled characters

A single character as an argument to `\textcircled{...}` produces “@.” If multiple characters are given, it produces “hello.” If no characters are given, it produces “○.”

22.4 Invisible

DiscoT_EX creates ligatures between characters such as “ff” or “fi.” Placing this command between these characters separates the ligatures, as in “fl” or “fi.”

22.5 Accents

In T_EX accents can be put on any character. If group is provided as an argument, only the first character should be accented.

Grave ÅāB̂b̂ĈĉD̂d̂ÊêF̂f̂ĤĥÎîĴĵK̂k̂L̂l̂M̂m̂N̂n̂ÔôP̂p̂Q̂q̂R̂r̂ŜŝT̂t̂ÛûV̂v̂ŴŵX̂x̂ŶŷẐẑ
group

Acute ÁáBḄĆćDđÉéFfĦĥÍíJjKkLlMmNnÓóPpQqRrSsTtUúVvWwXxYyZz
group

Circumflex ÂâBḂĈĉDḍÊêFfĦĥÎîJĵKkLlMmNnÔôPṑQṙRṛSṣTṭUûVṽWṰṲṶX̂xŶyẐz
group

Tilde ÃãBḄC̃cD̃dÊêFfĦĥÎîJjKkLlMmNnÕõPṑQṙRṛSṣTṭUûVṽWṰṲṶX̃xỸyZ̃zgroup

Macron ĀāBḄC̄cD̄dÊêFfĦĥÎîJjKkLlMmNnOōPṑQṙRṛSṣTṭUūVṽWṰṲṶX̄xȲyZ̄zgroup

Breve ǺǻBḄC̆cD̆dÊêFfĦĥÎîJjKkLlMmNnOöPṑQṙRṛSṣTṭUüVṽWṰṲṶX̆xY̆yZ̆z
group

Dot above ĀāBḄĊcḊdÊêFfĦĥÎîJjKkLlMmNnOöpPṑQṙRṛSṣTṭUüVṽWṰṲṶẊxẎyŻz
group

Umlaut ÄäBḄC̈cD̈dÊêFfĦĥÎîJjKkLlMmNnÖöPṑQṙRṛSṣTṭUüVṽWṰṲṶẌxŸyZ̈z
group

Ring ÅåBḄC̆cD̆dÊêFfĦĥÎîJjKkLlMmNnOöpPṑQṙRṛSṣTṭUüVṽWṰṲṶX̆xY̆yZ̆z
group

Double accent ǺǻBḄC̆cD̆dÊêFfĦĥÎîJjKkLlMmNnOöpPṑQṙRṛSṣTṭUüVṽWṰṲṶX̆xY̆yZ̆z
group

Caron ĀāBḄC̆cD̆dÊêFfĦĥÎîJjKkLlMmNnOöpPṑQṙRṛSṣTṭUüVṽWṰṲṶX̆xY̆yZ̆zgroup

Dot below ẠaḄbC̣cḌdẸeF̣fĦ̣ĥỊiJ̣jḲkḶlṂmṆnỌoP̣pQ̣qṚrṢsṬtỤuṾvẈwX̣xỴyẒz
group

Cedilla A̧aB̧bÇcḐdȨeF̧fĦ̧ĥI̧iJ̧jĶkĻlM̧mŅnO̧oP̧pQ̧qŖrŞsŢtU̧uV̧vW̧wX̧xY̧yZ̧z
group

Bar under A̵aB̵bC̵cD̵dE̵eF̵fĦ̵ĥI̵iJ̵jK̵kL̵lM̵mN̵nO̵oP̵pQ̵qR̵rS̵sT̵tU̵uV̵vW̵wX̵xY̵yZ̵z
group

22.6 Non-english characters

å, Å, æ, Æ, ij, IJ, ł, Ł, ø, Ø, œ, Œ, ß, SS