A LaTeX Templete, 一个 LaTeX 模板

LCS27

Overleaf 模板作者

2022 年 8 月 28 日

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这是一个中文-英语-法语混排的多语言模板。
C’est un template multilangue pour l’utilisation chinois-anglais-français.
This is a multilanguage template for chinese-english-french.
This template is based on `XeLaTex` interpreter.

Regrouping powerful mathematic packages!

Many mathematical symbols are defined by multiple LaTeX packages, the package LCS27symbols regroups them!

- amsmath: basic mathematic packages, providing format such as mathematic symbols and equations.
- amsfonts: mathematic fonts.
- mathrsfs: mathematic fonts.
- bbm: mathematic fonts.
- amsthm: theorem environment.
- amssymb: advance mathematic symbols.
- mathtools : advance mathematic symbols.
- siunitx : scientific notation(E.g.To write 2×10^9 you just need \num{2e+9}).
- stmaryrd: binary operator symbols.

For a quick-check webpage, you can go to
https://oeis.org/wiki/List_of_LaTeX_mathematical_symbols.

Autodefined symbols

The package LCS27symbols also defines several symbols, especially useful for mechanic fileds!

\deri{a}{b}	$\frac{\mathrm{d}a}{\mathrm{d}b}$
\deriN{a}{b}{n}	$\frac{\mathrm{d}^n a}{\mathrm{d}b^n}$
\ParDeri{a}{b}	$\frac{\partial a}{\partial b}$
\ParDeriN{a}{b}{n}	$\frac{\partial^n a}{\partial b^n}$
\Deri{a}{b}	$\frac{\mathrm{D}a}{\mathrm{D}b}$
\DeriN{a}{b}{n}	$\frac{\mathrm{D}^n a}{\mathrm{D}b^n}$
a\laplace b	$a \triangle b$
\abs \scalaire \bbs	$\mathrm{a} \cdot \mathrm{b}$
a\nabla b, \cbs \nablabs \dbs	$a \nabla b, \mathrm{c} \boldsymbol{\nabla} \mathrm{d}$
\ssi,\iff	$\Longleftrightarrow , \Longleftrightarrow$

Autodefined symbols

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\Abb \gbb \Onebb	$\mathbb{A}\mathbb{g}\mathbb{1}$
\Abf \bbf \Onebf	$\mathbf{Ab1}$
\Abs,\bbs,\Gammabs,\deltabs,\varphibs, \nablabs	$\mathrm{A},\mathrm{b},\boldsymbol{\Gamma},\boldsymbol{\delta},\boldsymbol{\varphi},\boldsymbol{\nabla}$
\Ao,\bo,\Gammao,\deltao,\arphio,\nablao,\Oneo	$\overline{A},\overline{b},\overline{\Gamma},\overline{\delta},\overline{\varphi},\overline{\nabla},\overline{1}$
\Aoo,\boo,\Gammaoo,\deltaoo,\varphioo,\nablaoo,\Oneoo	$\overline{\overline{A}},\overline{\overline{b}},\overline{\overline{\Gamma}},\overline{\overline{\delta}},\overline{\overline{\varphi}},\overline{\overline{\nabla}},\overline{\overline{1}}$
\Ad,\bd,\Gammad,\deltad,\varphid,\nablad,\Oned	$\underline{A},\underline{b},\underline{\Gamma},\underline{\delta},\underline{\varphi},\underline{\nabla},\underline{1}$
\Add,\bdd,\Gammadd,\deltadd,\varphidd,\nabladd,\Onedd	$\underline{\underline{A}},\underline{\underline{b}},\underline{\underline{\Gamma}},\underline{\underline{\delta}},\underline{\underline{\varphi}},\underline{\underline{\nabla}},\underline{\underline{1}}$
\Acal	$\mathcal{A}$
\setR,\setC,\setN,\setZ,\setRR	$\mathbb{R},\mathbb{C},\mathbb{N},\mathbb{Z},\mathbb{R}\times\mathbb{R}$
\rel	$\mathcal{R}$

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\eg,\Eg	$e.g.$, $E.g.$
\ie,\Ie	$i.e.$, $I.e.$
\cf,\Cf	$c.f.$, $C.f.$
\etc,\vs,\wrt,\dof	$etc.$, $vs.$, $w.r.t.$, $d.o.f.$
\etal,\resp,\st,\aka,\abr	$etal.$, $resp.$, $s.t.$, $a.k.a.$, $abr.$
\tsum	$\sum$
\grad \xbs	$\nabla \mathrm{x}$
\norm{a}	$\|a\|$
\Intv{a}{b}	$[a, b]$
\IntIntv{a}{b}	$[\![a, b]\!]$
\UpperInt{a}	$\lceil a \rceil$
\LowerInt{a}	$\lfloor a \rfloor$

谢谢！ Thank you! Merci!

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