



A \LaTeX Template, 一个 \LaTeX 模板

LCS27

Overleaf 模板作者

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1 中英法三语支持

2 Mathematic Tools :LCS27symbols

这是一个中文 - 英语 - 法语混排的多语言模板。

C'est un template multilingue pour l'utilisation chinois-anglais-français.

This is a multilingual template for chinese-english-french.

This template is based on XeLaTeX interpreter.

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1 中英法三语支持

2 Mathematic Tools :LCS27symbols



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.



Mathematic Tools :LCS27symbols

Autodefined symbols

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

<code>\deri{a}{b}</code>	$\frac{da}{db}$
<code>\deriN{a}{b}{n}</code>	$\frac{d^n a}{db^n}$
<code>\ParDeri{a}{b}</code>	$\frac{\partial a}{\partial b}$
<code>\ParDeriN{a}{b}{n}</code>	$\frac{\partial^n a}{\partial b^n}$
<code>\Deri{a}{b}</code>	$\frac{Da}{Db}$
<code>\DeriN{a}{b}{n}</code>	$\frac{D^n a}{Db^n}$
<code>a\laplace b</code>	$a \triangle b$
<code>\abs \scalair \bbs</code>	$a \cdot b$
<code>a\nabla b, \cbs \nabla labs \dbs</code>	$a \nabla b, c \nabla d$
<code>\ssi, \iff</code>	$\Longleftrightarrow, \iff$



Mathematic Tools :LCS27symbols

Autodefined symbols

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

$\backslash\text{Abb}$ $\backslash\text{gbb}$ $\backslash\text{Onebb}$ $\backslash\text{Abf}$ $\backslash\text{bbf}$ $\backslash\text{Onebf}$ $\backslash\text{Abs}$, $\backslash\text{bbs}$, $\backslash\text{Gammabs}$, $\backslash\text{deltabs}$, $\backslash\text{varphibs}$, $\backslash\text{nablab}$ $\backslash\text{Ao}$, $\backslash\text{bo}$, $\backslash\text{Gammaao}$, $\backslash\text{deltao}$, $\backslash\text{arphio}$, $\backslash\text{nablao}$, $\backslash\text{Oneo}$ $\backslash\text{Aoo}$, $\backslash\text{boo}$, $\backslash\text{Gammaoo}$, $\backslash\text{deltaoo}$, $\backslash\text{varphioo}$, $\backslash\text{nablao}$, $\backslash\text{Oneoo}$ $\backslash\text{Ad}$, $\backslash\text{bd}$, $\backslash\text{Gammad}$, $\backslash\text{deltad}$, $\backslash\text{varphid}$, $\backslash\text{nabladd}$, $\backslash\text{Oned}$ $\backslash\text{Add}$, $\backslash\text{bdd}$, $\backslash\text{Gammadd}$, $\backslash\text{deltadd}$, $\backslash\text{varphidd}$, $\backslash\text{nabladd}$, $\backslash\text{Onedd}$ $\backslash\text{Acal}$ $\backslash\text{setR}$, $\backslash\text{setC}$, $\backslash\text{setN}$, $\backslash\text{setZ}$, $\backslash\text{setRR}$ $\backslash\text{rel}$	Ag1 Ab1 $A, b, \Gamma, \delta, \varphi, \nabla$ $\overline{A}, \overline{b}, \overline{\Gamma}, \overline{\delta}, \overline{\varphi}, \overline{\nabla}, \overline{1}$ $\overline{\overline{A}}, \overline{\overline{b}}, \overline{\overline{\Gamma}}, \overline{\overline{\delta}}, \overline{\overline{\varphi}}, \overline{\overline{\nabla}}, \overline{\overline{1}}$ $\underline{A}, \underline{b}, \underline{\Gamma}, \underline{\delta}, \underline{\varphi}, \underline{\nabla}, \underline{1}$ $\underline{\underline{A}}, \underline{\underline{b}}, \underline{\underline{\Gamma}}, \underline{\underline{\delta}}, \underline{\underline{\varphi}}, \underline{\underline{\nabla}}, \underline{\underline{1}}$ \mathcal{A} $\mathbb{R}, \mathbb{C}, \mathbb{N}, \mathbb{Z}, \mathbb{R} \times \mathbb{R}$ \mathcal{R}
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Mathematic Tools :LCS27symbols

Autodefined symbols

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

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



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谢谢! Thank you! Merci!

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