

# LaTeX小范例

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这篇博客给出一个关于LaTeX论文的小范例，包含了如何插入图片并设置图片大小，如何插入复杂表格（包括合并单元格，横线位置，列宽，总表格宽度，行间隔，表格一行里面文字太多需要另起一行，表格左下角注释等等），如何单独插入公式与在文本中插入公式，如何插入参考文献，如何引用文献或公式，如何插入网址等等。（自行忽略英文语法错误，只是做一个关于LaTeX的小模板）。更多LaTeX知识，参考：[LaTeX常用链接与资料](#)

## 1. LaTeX

```
\documentclass{article}
% 插入图需要加的包
\usepackage{graphicx}
% 插入表格需要的包
\usepackage{multirow}
\usepackage{threeparttable}
\newcommand{\tabincell}[2]{\begin{tabular}{@{}#1@{}}#2\end{tabular}}
% 插入公式需要的包
\usepackage{amsmath}
% 引用，自己定义颜色
\usepackage[colorlinks, linkcolor=blue, anchorcolor=green, citecolor=red]{hyperref}
% 超链接
\usepackage{url}
% Author:凯鲁嘎吉 https://www.cnblogs.com/kailugaji/
% 开始正文
\begin{document}
% 标题
\title{A LaTeX Example}
% 作者
\author{Kailugaji}
\maketitle
% 章节
\section{Model}
This is an equation (\ref{eq:1}) and the picture is shown in Fig. \ref{fig:1}, where  $AB^2$  is xxxxx.
% 公式
\begin{equation}
\label{eq:1}
\begin{aligned}
AB^2 &= BC^2 + AC^2
\end{aligned}
\end{equation}

\subsection{Text}
This is a table, which is shown in Table \ref{tab:1}, and this is a reference \cite{ref:1}.
% 表格
\begin{table}
\begin{threeparttable}
\centering
\caption{Blogs kailugaji}
\setlength{\tabcolsep}{5mm}{
\begin{tabular}{cccccccccccccccc}
\hline \noalign{\smallskip} \hline
\multirrow{3}[4]{*}{Blogs} & \multirrow{3}[4]{*}{Lists} & \multicolumn{2}{c}{Class1} & & \multicolumn{3}{c}{Class2} & \multicolumn{3}{c}{Class3} & \multicolumn{3}{c}{Class4} \\
\cline{3-4}\cline{6-8} & & \multirrow{2}[2]{*}{\tabincell{c}{E1\\(f=0.4)}} & & \multirrow{2}[2]{*}{\tabincell{c}{E2\\(f=0.5)}} & & \multirrow{2}[2]{*}{E3} & & \multicolumn{1}{c}{\multirrow{2}[2]{*}} & & \multicolumn{3}{c}{Class5} \\
& & & & & & & & & & & & & \\
\hline \noalign{\smallskip} \hline
\multirrow{3}[1]{*}{A} & A1 & 1 & 3 & & 2 & & \multirrow{3}[1]{*}{--} & \multirrow{3}[1]{*}{--} & & & & & \\
& A2 & 2 & 4 & & 0 & & & & & & & & \\
& A3 & 5 & 9 & & 7 & & & & & & & & \\
\hline \noalign{\smallskip} \hline
\multirrow{3}[0]{*}{B} & B1 & & \multirrow{3}[0]{*}{--} & & \multirrow{3}[0]{*}{--} & & & \multirrow{3}[0]{*}{--} & & 1 & & 4 & \\
& B2 & & & & 2 & & 2 & & & & & & \\
& B3 & & & & 5 & & 9 & & & & & & \\
\hline \noalign{\smallskip} \hline
\end{tabular}
}
\end{threeparttable}
\end{table}
```

```

\multirow{3}[0]{*}{C} & C1 & 8 & 4 & & 8 & & \multirow{3}[0]{*}{--} & \multirow{3}[0]{*}{--} \\
& C2 & 3 & 6 & & 3 & & & \\
& C3 & 2 & 1 & & 5 & & & \\
\noalign{\smallskip} \hline
\end{tabular}
\begin{tablenotes}
\item[1] xxxxxxxx.
% \item[*] xxxxxxxx.
\end{tablenotes}
\label{tab:1}
\end{threeparttable}
\end{table}
% 图片
\begin{figure}
\centering
\includegraphics[width=5cm]{1.png}
\caption{Kailugaji}
\label{fig:1}
\end{figure}
% 参考文献
\begin{thebibliography}{}
\bibitem{ref:1}
Kailugaji, Blog about LaTeX, Journal, Volume, page numbers (2020), \url{https://www.cnblogs.com/kailugaji/}
\end{thebibliography}
\end{document}

```

## 2. 结果

# A LaTeX Example

Kailugaji

August 14, 2020

## 1 Model

This is an equation (1) and the picture is shown in Fig. 1, where  $AB^2$  is xxxxx.

$$AB^2 = BC^2 + AC^2 \tag{1}$$

### 1.1 Text

This is a table, which is shown in Table 1, and this is a reference [1].

## References

- [1] Kailugaji, Blog about LaTeX, Journal, Volume, page numbers (2020),  
<https://www.cnblogs.com/kailugaji/>

Table 1: Blogs kailugaji

Blogs	Lists	Class1		Class2		
		E1 (f=0.4)	E2 (f=0.5)	E3	E4	E5
A	A1	1	3	2		
	A2	2	4	0	–	–
	A3	5	9	7		
B	B1				1	4
	B2	–	–	–	2	2
	B3				5	9
C	C1	8	4	8		
	C2	3	6	3	–	–
	C3	2	1	5		

<sup>1</sup> xxxxxxxxxxxx.



Figure 1: Kailugaji

源文件与PDF文件: [LaTeX范例-凯鲁嘎吉.rar](#)