

# Paper Title

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Institute

**Abstract.** Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

**Keywords:** First keyword · Second keyword · Third keyword

## 1 Introduction

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.


Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy

pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Do  et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

The remainder of the paper starts with a presentation of related work (Sect. 2). It is followed by a presentation of hints on L<sup>A</sup>T<sub>E</sub>X (Sect. 3). Finally, a conclusion is drawn and outlook on future work is made (Sect. 4).

## 2 Related Work

Winery [2] is a graphical  modeling tool. The whole idea of TOSCA is explained by Binz et al. [1].

## 3 LaTeX Hints

This section contains hints on writing LaTeX. It focuses on minimal examples, which can be directly adapted to the content

### 3.1 Handling of paragraphs

One sentence per line. This rule is important for the usage of version control systems. A new line is generated with a blank line. As you would do in Word: New paragraphs are generated by pressing enter. In LaTeX, this does not lead to a new paragraph as LaTeX joins subsequent lines. In case you want a new paragraph, just press enter twice (!). This leads to an empty line. In word, there is the functionality to press shift and enter. This leads to a hard line break. The text starts at the beginning of a new line. In LaTeX, you can do that by using two backslashes (`\\`).

This is rarely used.

Please do *not* use two backslashes for new paragraphs. For instance, this sentence belongs to the same paragraph, whereas the last one started a new one. A long motivation for that is provided at <http://loopspace.mathforge.org/HowDidIDoThat/TeX/VCS/#section.3>.

Corresponding L<sup>A</sup>T<sub>E</sub>X code of /Users/mengshima/GitRepos/KBQA-report/paper.tex

```

497 One sentence per line.
498 This rule is important for the usage of version control systems.
499 A new line is generated with a blank line.
500 As you would do in Word:
501 New paragraphs are generated by pressing enter.
502 In LaTeX, this does not lead to a new paragraph as LaTeX joins
    subsequent lines.
503 In case you want a new paragraph, just press enter twice (!).
504 This leads to an empty line.
505 In word, there is the functionality to press shift and enter.
506 This leads to a hard line break.
507 The text starts at the beginning of a new line.
508 In LaTeX, you can do that by using two backslashes
    (\textbackslash\textbackslash).\
509 This is rarely used.
510
511 Please do \textit{not} use two backslashes for new paragraphs.
512 For instance, this sentence belongs to the same paragraph,
    whereas the last one started a new one.
513 A long motivation for that is provided at
    \url{http://loopspace.mathforge.org/HowDidIDoThat/TeX/VCS/#section.3}.

```

### 3.2 Notes separated from the text

The package mindflow enables writing down notes and annotations in a way so that they are separated from the main text.

---

This is a small note.

---

Corresponding L<sup>A</sup>T<sub>E</sub>X code of /Users/mengshima/GitRepos/KBQA-report/paper.tex

```

521 \begin{mindflow}
522 This is a small note.
523 \end{mindflow}

```

### 3.3 Hyphenation

L<sup>A</sup>T<sub>E</sub>X automatically hyphenates words. When using microtype, there should be less hyphenations than in other settings. It might be necessary to tweak the hyphenations nevertheless. Here are some hints:

In case you write “application-specific”, then the word will only be hyphenated at the dash. You can also write `applica\allowbreak{}tion-specific` (result: application-specific), but this is much more effort.

You can now write words containing hyphens which are hyphenated at other places in the word. For instance, `application"=specific` gets `application"=specific`. This is enabled by an additional configuration of the babel package.

Corresponding L<sup>A</sup>T<sub>E</sub>X code of /Users/mengshima/GitRepos/KBQA-report/paper.tex

```
534 In case you write \enquote{application-specific}, then the word
    will only be hyphenated at the dash.
535 You can also write \verb!applica\allowbreak{}tion-specific!
    (result: applica\allowbreak{}tion-specific), but this is
    much more effort.
536
537 You can now write words containing hyphens which are hyphenated
    at other places in the word.
538 For instance, \verb!application"=specific! gets
    application"=specific.
539 This is enabled by an additional configuration of the babel
    package.
```

### 3.4 Typesetting Units

Numbers can written plain text (such as 100), by using the siunitx package like that:  $100 \frac{\text{km}}{\text{h}}$ , or by using plain L<sup>A</sup>T<sub>E</sub>X (and math mode):  $100 \frac{\text{km}}{\text{h}}$ .

Corresponding L<sup>A</sup>T<sub>E</sub>X code of /Users/mengshima/GitRepos/KBQA-report/paper.tex

```
545 Numbers can written plain text (such as 100), by using the
    siunitx package like that:
546 \SI{100}{\km\per\hour},
547 or by using plain \LaTeX{} (and math mode):
548 $100 \frac{\mathit{km}}{h}$.
```

5 % of 10 kg

Corresponding L<sup>A</sup>T<sub>E</sub>X code of /Users/mengshima/GitRepos/KBQA-report/paper.tex

```
552 \SI{5}{\percent} of \SI{10}{kg}
```

Numbers are automatically grouped: 123 456.

Corresponding L<sup>A</sup>T<sub>E</sub>X code of /Users/mengshima/GitRepos/KBQA-report/paper.tex

```
556 Numbers are automatically grouped: \num{123456}.
```

3.5 Surrounding Text by Quotes

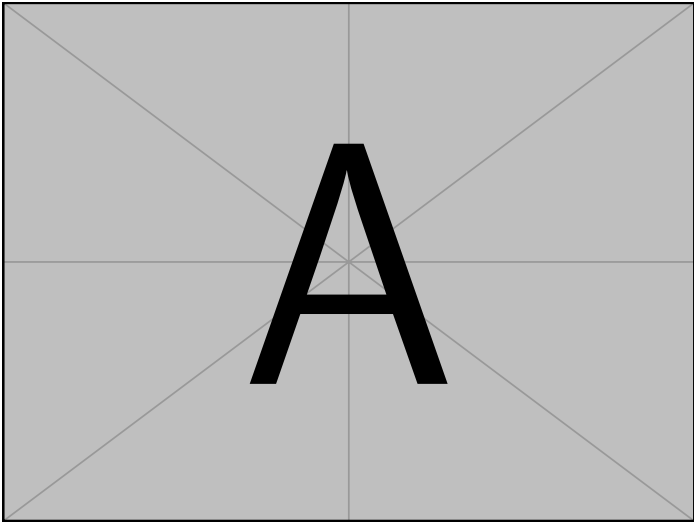
Please use the “enquote command” to quote something. Quoting with “quote” or “quote” also works.

Corresponding L<sup>A</sup>T<sub>E</sub>X code of /Users/mengshima/GitRepos/KBQA-report/paper.tex

562 Please use the \enquote{enquote command} to quote something.  
563 Quoting with "\quote" or "\quote" also works.

3.6 Cleveref examples

Cleveref demonstration: Cref at beginning of sentence, cref in all other cases.



**Fig. 1.** Example figure for cref demo

Heading1 Heading2	
One	Two
Thee	Four

**Table 1.** Example table for cref demo

Figure 1 shows a simple fact, although Fig. 1 could also show something else.

Table 1 shows a simple fact, although Table 1 could also show something else.

Section 3.6 shows a simple fact, although Sect. 3.6 could also show something else.

Corresponding L<sup>A</sup>T<sub>E</sub>X code of /Users/mengshima/GitRepos/KBQA-report/paper.tex

```
594 \Cref{fig:ex:cref} shows a simple fact, although
      \cref{fig:ex:cref} could also show something else.
595
596 \Cref{tab:ex:cref} shows a simple fact, although
      \cref{tab:ex:cref} could also show something else.
597
598 \Cref{sec:ex:cref} shows a simple fact, although
      \cref{sec:ex:cref} could also show something else.
```

### 3.7 Figures

Figure 2 shows something interesting.



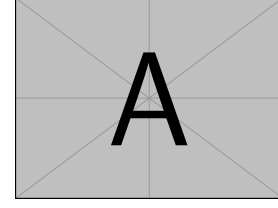
**Fig. 2.** Simple Figure. Based on Scharrer [3].

Corresponding L<sup>A</sup>T<sub>E</sub>X code of /Users/mengshima/GitRepos/KBQA-report/paper.tex

```
604 \Cref{fig:label} shows something interesting.  
605  
606 \begin{figure}  
607   \centering  
608   \includegraphics[width=.8\linewidth]{example-image-golden}  
609   \caption[Simple Figure]{Simple Figure. Based on \citet{mwe}.}  
610   \label{fig:label}  
611 \end{figure}
```

One can also have pictures floating inside text:

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place.  $\sin^2(\alpha) + \cos^2(\beta) = 1$ . If you read this text, you will get no information  $E = mc^2$ . Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look.



**Fig. 3.** A floating figure

$\sqrt[n]{a} \cdot \sqrt[n]{b} = \sqrt[n]{ab}$ . This text should contain all letters of the alphabet and it should be written in of the original language.  $\frac{\sqrt[n]{a}}{\sqrt[n]{b}} = \sqrt[n]{\frac{a}{b}}$ . There is no need for special content, but the length of words should match the language.  $a \sqrt[n]{b} = \sqrt[n]{a^n b}$ . Hello, here is some text without a meaning.  $d\Omega = \sin \vartheta d\vartheta d\varphi$ . This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look.  $\sin^2(\alpha) + \cos^2(\beta) = 1$ . This text should contain all letters of the alphabet and it should be written in of the original language  $E = mc^2$ . There is no need for special content, but the length of words should match the language.  $\sqrt[n]{a} \cdot \sqrt[n]{b} = \sqrt[n]{ab}$ .

Corresponding L<sup>A</sup>T<sub>E</sub>X code of /Users/mengshima/GitRepos/KBQA-report/paper.tex

```
618 \begin{floatingfigure}{.33\linewidth}
619 \includegraphics[width=.29\linewidth]{example-image-a}
620 \caption{A floating figure}
621 \end{floatingfigure}
622 \blindtext[2]
```

### 3.8 Sub Figures

An example of two sub figures is shown in Fig. 4.



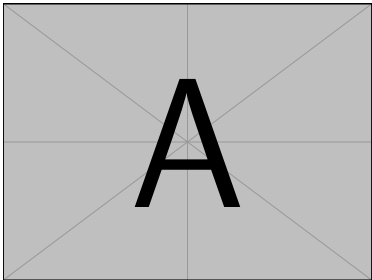
Corresponding L<sup>A</sup>T<sub>E</sub>X code of /Users/mengshima/GitRepos/KBQA-report/paper.tex

```
631 \begin{figure}[!b]
632   \centering
633   \subfloat[Case
        I]{\includegraphics[width=.4\linewidth]{example-image-a}%
        \label{fig:first_case}}
634   \hfil
635   \subfloat[Case
        II]{\includegraphics[width=.4\linewidth]{example-image-b}%
        \label{fig:second_case}}
636   \caption{Example figure with two sub figures.}
637   \label{fig:two_sub_figures}
638   \end{figure}
```

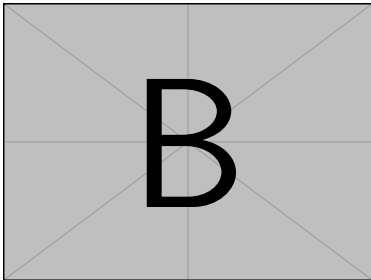
3.9 Tables

Table 2. Simple Table

Heading1 Heading2	
One	Two
Thee	Four



(a) Case I



(b) Case II

Fig. 4. Example figure with two sub figures.

Corresponding L<sup>A</sup>T<sub>E</sub>X code of /Users/mengshima/GitRepos/KBQA-report/paper.tex

```

646 \begin{table}
647   \caption{Simple Table}
648   \label{tab:simple}
649   \centering
650   \begin{tabular}{ll}
651     \toprule
652     Heading1 & Heading2 \\
653     \midrule
654     One      & Two      \\
655     Thee     & Four     \\
656     \bottomrule
657   \end{tabular}
658 \end{table}

```

**Table 3.** Table with diagonal line

Diag Column Head I	Diag Column Head II	
	Second	Third
	foo	bar

Corresponding L<sup>A</sup>T<sub>E</sub>X code of /Users/mengshima/GitRepos/KBQA-report/paper.tex

```

662 % Source: https://tex.stackexchange.com/a/468994/9075
663 \begin{table}
664   \caption{Table with diagonal line}
665   \label{tab:diag}
666   \begin{center}
667     \begin{tabular}{|l|c|c|}
668       \hline
669       \diagbox[width=10em]{Diag\\Column Head I}{Diag Column\\Head II}
670       & Second & Third \\
671       \hline
672       & foo & bar \\
673       \hline
674     \end{tabular}
675   \end{center}
676 \end{table}

```

---

```

1 <listing name="example">
2   Floating
3 </listing>

```

---

**Listing 1.2.** Example XML listing – placed as floating figure

### 3.10 Source Code

Listing 1.1 shows source code written in XML. Line 2 contains a comment.

---

```

1 <listing name="example">
2   <!-- comment -->
3   <content>not interesting</content>
4 </listing>

```

---

**Listing 1.1.** Example XML Listing

Corresponding L<sup>A</sup>T<sub>E</sub>X code of /Users/mengshima/GitRepos/KBQA-report/paper.tex

```

682 \Cref{lst:XML} shows source code written in XML.
683 \Cref{line:comment} contains a comment.
684
685 \begin{lstlisting}[
686   language=XML,
687   caption={Example XML Listing},
688   label={lst:XML}]
689 <listing name="example">
690   <!-- comment --> (* \label{line:comment} *)
691   <content>not interesting</content>
692 </listing>
693 \end{lstlisting}

```

One can also add `float` as parameter to have the listing floating. Listing 1.2 shows the floating listing.

---

```

1 {
2   key: "value"
3 }

```

---

**Listing 1.3.** Example JSON listing – placed as floating figure

---

```

1 public class Hello {
2     public static void main (String[] args) {
3         System.out.println("Hello World!");
4     }
5 }

```

---

**Listing 1.4.** Example Java listing

Corresponding L<sup>A</sup>T<sub>E</sub>X code of /Users/mengshima/GitRepos/KBQA-report/paper.tex

```

700 \begin{lstlisting}[
701   % one can adjust spacing here if required
702   % aboveskip=2.5\baselineskip,
703   % belowskip=-.8\baselineskip,
704   float,
705   language=XML,
706   caption={Example XML listing -- placed as floating figure},
707   label={lst:flXML}]
708 <listing name="example">
709   Floating
710 </listing>
711 \end{lstlisting}

```

One can also typeset JSON as shown in Listing 1.3.

Corresponding L<sup>A</sup>T<sub>E</sub>X code of /Users/mengshima/GitRepos/KBQA-report/paper.tex

```

717 \begin{lstlisting}[
718   float,
719   language=json,
720   caption={Example JSON listing -- placed as floating figure},
721   label={lst:json}]
722 {
723   key: "value"
724 }
725 \end{lstlisting}

```

Java is also possible as shown in Listing 1.4.

Corresponding L<sup>A</sup>T<sub>E</sub>X code of /Users/mengshima/GitRepos/KBQA-report/paper.tex

```

731 \begin{lstlisting}[
732   caption={Example Java listing},
733   label=lst:java,
734   language=Java,
735   float]
736 public class Hello {
737     public static void main (String[] args) {
738         System.out.println("Hello World!");
739     }
740 }
741 \end{lstlisting}

```

### 3.11 Itemization

One can list items as follows:

- Item One
- Item Two

Corresponding L<sup>A</sup>T<sub>E</sub>X code of /Users/mengshima/GitRepos/KBQA-report/paper.tex

```

749 \begin{itemize}
750 \item Item One
751 \item Item Two
752 \end{itemize}

```

One can enumerate items as follows:

1. Item One
2. Item Two

Corresponding L<sup>A</sup>T<sub>E</sub>X code of /Users/mengshima/GitRepos/KBQA-report/paper.tex

```

759 \begin{enumerate}
760 \item Item One
761 \item Item Two
762 \end{enumerate}

```

With paralist, one can even have all items typeset after each other and have them clean in the tex document:

1. All these items... 2. ...appear in one line 3. This is enabled by the paralist package.

Corresponding L<sup>A</sup>T<sub>E</sub>X code of /Users/mengshima/GitRepos/KBQA-report/paper.tex

```
769 \begin{inparaenum}
770   \item All these items...
771   \item ...appear in one line
772   \item This is enabled by the paralist package.
773 \end{inparaenum}
```

### 3.12 Other Features

The words “workflow” and “dwarflike” can be copied from the PDF and pasted to a text file.

Corresponding L<sup>A</sup>T<sub>E</sub>X code of /Users/mengshima/GitRepos/KBQA-report/paper.tex

```
779 The words \enquote{workflow} and \enquote{dwarflike} can be
      copied from the PDF and pasted to a text file.
```

The symbol for powerset is now correct:  $\wp$  and not a Weierstrass p ( $\wp$ ).  
 $\wp(1,2,3)$

Corresponding L<sup>A</sup>T<sub>E</sub>X code of /Users/mengshima/GitRepos/KBQA-report/paper.tex

```
783 The symbol for powerset is now correct:  $\wp$  and not a
      Weierstrass p ( $\wp$ ).
784
785  $\wp(\{1,2,3\})$ 
```

Brackets work as designed: <test> One can also input backquotes in verbatim text: `test`.

Corresponding L<sup>A</sup>T<sub>E</sub>X code of /Users/mengshima/GitRepos/KBQA-report/paper.tex

```
789 Brackets work as designed:
790 <test>
791 One can also input backquotes in verbatim text: \verb|`test`|.
```

## 4 Conclusion and Outlook

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor

gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

**Acknowledgments** Identification of funding sources and other support, and thanks to individuals and groups that assisted in the research and the preparation of the work should be included in an acknowledgment section, which is placed just before the reference section in your document [4].

In the bibliography, use `\textsuperscript` for “st”, “nd”, ...: E.g., “The 2<sup>nd</sup> conference on examples”. When you use JabRef, you can use the clean up command to achieve that. See <https://help.jabref.org/en/CleanupEntries> for an overview of the cleanup functionality.

## References

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