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Abstract

The abstract (or Summary) gives a quick overview to the reader, about the work contributed in the paper. It concisely describes the content and scope of the paper and includes: paper's objective, outline of methods used to accomplish objectives, key results or findings, and finally conclusions.

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1 Introduction/Motivation

This section should describe the problem domain, and provides motivation about the significance of problem and possible solutions. It can also include a subsection that outlines the contribution of the paper. Last paragraph of this section, usually lists the upcoming sections (for example, section 2 presents related work, section 3 ...).

2 Related Work

Related work describes the State-of-the-Art existing work (to solve the same problem). The existing methods/solutions should be classified and compared with current work (how current work distinguishes from previously existing methods/solutions). Do not forget to mention the base line research paper which the current paper tries to improve. Also provide references to all the research papers mentioned in this section. For example, "In [?], authors proposed an algorithm...". In references section, add reference of [?].

2.1 How to cite in Latex

References in \LaTeX can be called through

`\cite{bibitem-key}`

This results, for example, in "[?]" and "[?]".

Examples:

In [?] the xyz-Algorithm is presented.

The xyz-Algorithm [?] computes ...

2.2 References

The list of references must contain this information (use google scholar and in case complete the bibtext)

- Names of the author
- Title of the paper
- Title of the conference's proceeding/book/...
- Page number (rather for books and journals)
- Publisher, place
- Year



Figure 1: Logo of the University of Hildesheim.

Table 1: Table Example

	Value 1	Value 2	Value 3	Value 4	Value 5	Value 6
Entry 1	0.756	2.133	0.745	2.111	0.743	2.134
Entry 2	1.1	0.9	1.1	0.9	1.1	0.9

3 Methodology

This section should describe the main method/algorithm of the paper with a pseudocode. Details of each sub-module, using figures/flow charts, mathematical formulation of the problem and proposed algorithmic solution, and run-time complexities should be described.

3.1 Images/Figures

Images must have a reference. In L^AT_EX it can be called in the text with `\ref{labelname}` and it can be initialized with `\label{labelname}` in the image description, e.g. see Fig. ??).

3.2 Tables

Tables can be mentioned like images (see Tab. ??).

3.3 Formula

Also formulas should be numbered and can be referred to like images and tables. See Eq. (??)

$$e = \sum_{k=0}^{\infty} \frac{1}{k!}, \quad (1)$$

$$e = \lim_{n \rightarrow \infty} \left(1 + \frac{1}{n}\right)^n . \quad (2)$$

e can be written with Eq. ?? or Eq. ??.

3.4 Algorithms and Pseudocode

Data: this text

Result: how to write algorithm with L^AT_EX2e initialization;

while *not at end of this document* **do**

 read current;

if *understand* **then**

 go to next section;

 current section becomes this one;

 You can write formulas $\sum_{i=0}^N A_i^2$;

 You can refer to formulas, see Eq. ??;

else

 go back to the beginning of current section;

end

end

Algorithm 1: How to write algorithms

4 Section

Text of the Section

4.1 Subsection

Text of the subsection

4.1.1 Text of a subpart of the subsection

Text

paragraph writing something in a paragraph for more structured text

5 Experiments

This section should describe the experimental evaluations of the method/algorithm proposed in section-3. All data collection, pre-processing and other details of experimental setup should be described here. Tables, charts and plots should be used to describe the results.

6 Discussion and conclusion

This section should conclude the paper, reiterating the significance of the problem solved, efficiency of the proposed solution, important findings and newly emerged ideas for the future work.

References

- [1] Nachname, V., Nachname, V., Nachname, V.: Titel. In: Buch/Proceedings, pp. x – xx, Verlag, Ort (Jahr)
- [2] Nachname, V., Nachname, V., Nachname, V.: Der xyz-Algorithmus und seine Anwendung. In: Buch/Proceedings, pp. x – xx, Verlag, Ort (Jahr)
- [3] Nachname, V., Nachname, V., Nachname, V.: Titel. In: Buch/Proceedings, pp. x – xx, Verlag, Ort (Jahr)
- [4] Nachname, V., Nachname, V., Nachname, V.: Titel. In: Buch/Proceedings, pp. x – xx, Verlag, Ort (Jahr)
- [5] Nachname, V., Nachname, V., Nachname, V.: Titel. In: Buch/Proceedings, pp. x – xx, Verlag, Ort (Jahr)
- [6] Nachname, V., Nachname, V., Nachname, V.: Titel. In: Buch/Proceedings, pp. x – xx, Verlag, Ort (Jahr)