

A Short English Academic Paper

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ABSTRACT

This article illustrates the common usage of \LaTeX commands for English academic papers. ACM conference format is used to style the document.

ACM Reference format:

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1 INTRODUCTION

This is the Introduction part. Be careful of the indentation of English articles. The sentence following the section title has no indentation.

See! There is an indentation from the second paragraph.

2 RELATED WORKS

Once you mention others' methods, conclusions, experiments, etc., you should cite their works. For example, AI [1–4] and graph [5–8] are two hot topics nowadays.

3 BACKGROUND

Here gives the background.

4 METHODOLOGIES

Commonly, we use *Italic* fonts instead of **bold** fonts to emphasize something in English articles.

4.1 Methodology 1

We do not directly list source codes in the paper, but use pseudocode like Alg. 1 to demonstrate our algorithms.

Algorithm 1 Count # of ones

Require: array a , size n

```
1: Initialize  $cnt = 0$ 
2: for  $i = 0$  to  $n - 1$  do
3:   if  $a[i]$  is 1 then
4:      $cnt \leftarrow cnt + 1$ 
5:   end if
6: end for
7: return  $cnt$ 
```

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4.2 Methodology 2

More methodologies here.

5 EXPERIMENTS

This section firstly introduces the experimental settings and then presents the experimental results.

5.1 Experimental Settings

We use the `acmart` \LaTeX template to format this article.

5.2 Experimental Results

Some experimental results are shown in Table 1.

Table 1: A table example

Col 1	Col 2	Col 3
Line 1		

6 CONCLUSIONS

This article gives a basic structure of English academic paper and the usage of `acmart` template.

ACKNOWLEDGEMENT

This section can be omitted. But you should make sure the contents have filled the whole pages.

REFERENCES

- [1] Muthian Sivathanu, Tapan Chugh, Sanjay S. Singapuram, and Lidong Zhou. As-tra: Exploiting predictability to optimize deep learning. In *Proceedings of the Twenty-Fourth International Conference on Architectural Support for Programming Languages and Operating Systems (ASPLOS)*, 2019.
- [2] Weizhe Hua, Yuan Zhou, Christopher De Sa, Zhiru Zhang, and G. Edward Suh. Boosting the performance of CNN accelerators with dynamic fine-grained channel gating. In *Proceedings of the 52nd Annual IEEE/ACM International Symposium on Microarchitecture (MICRO)*, 2019.
- [3] Chunhua Deng, Fangxuan Sun, Xuehai Qian, Jun Lin, Zhongfeng Wang, and Bo Yuan. TIE: energy-efficient tensor train-based inference engine for deep neural network. In *Proceedings of the 46th International Symposium on Computer Architecture (ISCA)*, 2019.
- [4] Jonathan Frankle and Michael Carbin. The lottery ticket hypothesis: Finding sparse, trainable neural networks. In *Proceedings of the 7th International Conference on Learning Representations (ICLR)*, 2019.
- [5] Lingxiao Ma, Zhi Yang, Youshan Miao, Jilong Xue, Ming Wu, Lidong Zhou, and Yafei Dai. NeuGraph: Parallel deep neural network computation on large graphs. In *2019 USENIX Annual Technical Conference (ATC)*, 2019.
- [6] Maciej Besta, Simon Weber, Lukas Gianinazzi, Robert Gerstenberger, Andrey Ivanov, Yishai Oltchik, and Torsten Hoefler. Slim graph: practical lossy graph compression for approximate graph processing, storage, and analytics. In *Proceedings of the International Conference for High Performance Computing, Networking, Storage and Analysis (SC)*, 2019.
- [7] Laxman Dhulipala, Guy E. Blelloch, and Julian Shun. Low-latency graph streaming using compressed purely-functional trees. In *Proceedings of the 40th ACM SIGPLAN Conference on Programming Language Design and Implementation (PLDI)*, 2019.
- [8] Kun Dong, Austin R. Benson, and David Bindel. Network density of states. In *Proceedings of the 25th ACM SIGKDD International Conference on Knowledge Discovery & Data Mining (KDD)*, 2019.