

Template for Preparation of Manuscripts for *Tsinghua Science and Technology*

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Type author names here. The font is " $\backslash\text{zihao}\{5\}$ ". Please spell out first names and surnames. Place an "*" by the corresponding author(s). For example, First A. Author, Second B. Author*, and Third C. Author

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Instructions for Using the Template

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2. All Schemes, Equations, Figures, and Tables should be mentioned in the text consecutively and numbered with Arabic numerals, and appear below where they are mentioned for the first time in the main text. To insert Schemes, Equations, Figures, and Tables, create a new break line and paste the resized artworks where desired. Do not modify the amount of space before and after the artworks. One- or two-column format artworks are preferred.
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template that are not needed. Make sure that all pages have page numbers. Ensure that all parts of the manuscript are presented clearly.

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Type the authors affiliation together with E-mail address here. The font is Times New Roman $\backslash\text{zihao}\{6\}$. For example,

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Examples:

1 Introduction

For example: The parallelization of cutoff pair interactions is mature on CPUs, and typically employs a voxel-based method.

2 Experimental

For example: The parallelization of cutoff pair interactions is mature on CPUs, and typically employs a voxel-based method.

3 Results and Discussion

For example: The parallelization of cutoff pair interactions is mature on CPUs, and typically employs a voxel-based method.

3.1 Cutoff pair interactions on GPUs

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3.2 Cutoff pair interactions on GPUs

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3.2.1 Cutoff pair interactions on GPUs

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3.2.2 Cutoff pair interactions on GPUs

For example: The parallelization of cutoff pair interactions is mature on CPUs, and typically employs a voxel-based method.

Lemma 1 From $\Omega_{I_p}(\mathcal{T}, \mathcal{R})$, the probability of computing tag t_i 's K_i or the current session key K_{ji} maintained in r_j is negligible.

Proof The messages in $\Omega_{I_p}(\mathcal{T}, \mathcal{R})$ that do not involve K_i or K_{ji} do not give any advantage in obtaining these keys. K_i is used in the form of $E.K_i(K_{ji}||ID_{\mathcal{T}}^i)$ and K_{ji} is used in the form of $E.K_i(K_{ji}||ID_{\mathcal{T}}^i)$, $E.K_{ji}(\delta||ID_{\mathcal{T}}^i)$, and $E.K_{ji}(\delta||K'_{ji}||E.K_i(K'_{ji}||ID_{\mathcal{T}}^i))$. By Lemma 1, even if adversaries obtain many values of these forms, it is computationally infeasible to obtain K_i . As a result, when the length of K_i and K_{ji} is both l_{key} , the probability of computing one of these keys is $1/2^{l_{\text{key}}}$.

If l_{key} is sufficiently long, this is negligible. Therefore, this lemma holds. ■

4 Conclusions

For example: The parallelization of cutoff pair interactions is mature on CPUs, and typically employs a voxel-based method.

References to the literature are cited by *number in square brackets* at appropriate locations (*before a period, comma, etc.*) in the text.

Examples:

- Negotiation research spans many disciplines [3].
- This result was later contradicted by Becker and Seligman [5, 6], who
- This effect has been widely studied [1-3, 7].
-achieved until rather recently [11, 21, 22], with.....
-stage of cap formation (see Fig. 5 in Ref. [14]).

Acknowledgements

The font is Times New Roman \zihao{5-}. Acknowledgements should be inserted at the end of manuscript, before the references. This part should be brief, clear, and should not include any anonyms, titles or effusive comments. Sponsor and financial support acknowledgments are included in the acknowledgment section. For example: This work was supported in part by the US Department of Commerce under Grant BS123456 (sponsor and financial support acknowledgment goes here). Researchers that contributed information or assistance to the article should also be acknowledged in this section.

References

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References

- [1] M. Abrahams and M. Kattenfeld, The role of turbidity as a constraint on predator-prey interactions in aquatic

- environments, *Behav. Ecol. Sociobiol.* vol. 40, no. 3, pp.169-174, Mar. 1997. **(Journal style)**
- [2] R. C. Calfee and R. R. Valencia, *APA Guide to Preparing Manuscripts for Journal Publication*. Washington, DC: American Psychological Association, 1991. **(Authored book style)**
- [3] J. M. O'Neill and J. Egan, Mens and womens gender role journeys: metaphor for healing, transition, and transformation, In *Gender Issues Across the Life Cycle*, B. R. Wainrib, Ed. New York: Springer, 1992, pp. 107-123. **(Book chapter style)**
- [4] J. C. Phelan, B. G. Link, A. Stueve, and B. A. Pescosolido, Have public conceptions of mental health changed in the past half century? Does it matter? presented at the 124th Annu. Meeting American Public Health Association, New York, USA, 1969. **(Paper presented at conferences style)**
- [5] A. Mahdavi and B. Spasojevic, Incorporating simulation into building systems control logic, In *Proc. 10th Int. Building Performance Simulation Association Conf.*, Beijing, China, 2007, pp. 1175-1181. **(Paper in proceedings style)**
- [6] X. Yang, Study of building material emissions and indoor air quality, Ph.D. dissertation, Dept. Arch., MIT, MA, USA, 1999. **(Dissertation style)**
- [7] J. Dong, S. Martin, and P. Waldo, Method and system for dynamically presenting cluster analysis results, US Patent US6380937B1, March 30, 2002. **(Patent style)**
- [8] Y. Jiang, Liquid desiccant air-conditioning system and its applications, (in Chinese), *Heating Ventilating & Air Conditioning*, vol. 34, no. 11, pp. 88-97, 2004. **(Non-English publication style)**
- [9] M. K. Slifka and J. L. Whitton, Clinical implications of dysregulated cytokine production, *J. Mol. Med.*, doi:10.1007/s001090000086. **(Article by DOI style)**
- [10] J. Doe. (1999, Jan. 15). The dictionary of substances and their effects. Available: <http://www.rsc.org/dose/title>. **(Online document style)**



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