

Some Useful Latex Examples

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1 Introduction

You can use **bold** or *italic* text.

1.1 Citations

This is how you can cite papers [2, 3, 1].

1.2 Equations

Equations can be either inline: “The running time of this algorithm is $O(n^2)$ where n is the number of vertices of the graph”, or you can use them in an equation environment to cite them later (see Equation 1).

$$T(i) = \sum_{i=1}^k (T[i-1] + T[i-2]) \quad (1)$$

1.3 Figures

You can embed eps figures using the figure environment and includegraphics command. In Figure 1, I have also used psfrag to embed tex. I usually use xfig or inkscape to draw figures.

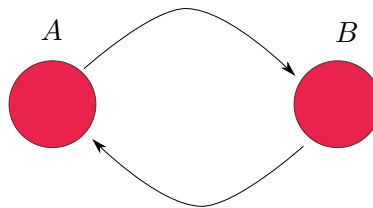


Figure 1: This is the caption of my figure.

1.4 Theorems

Lemma 1. *The running time of my TSP algorithm is $O(n \log n)$.*

Using the bogus result in Lemma 1, we conclude:

Theorem 1. $P = NP$

References

- [1] B. P. Gerkey, S. Thrun, and G. Gordon. Visibility-based pursuit-evasion with limited field of view. *Int. J. Rob. Res.*, 25(4):299–315, 2006.
- [2] L. J. Guibas, J.-C. Latombe, S. M. LaValle, D. Lin, and R. Motwani. A visibility-based pursuit-evasion problem. *International Journal of Computational Geometry and Applications*, 9(4/5):471–, 1999.
- [3] V. Isler, S. Kannan, and S. Khanna. Randomized pursuit-evasion in a polygonal environment. *IEEE Transactions on Robotics*, 21(5):875–884, Oct. 2005.