

Article Template

Sim Jun Jie

May 17, 2020

Abstract

This is an abstract.

1 Paper Format

1. Background
2. Notation
3. Methods
4. Results
5. Discussion
6. Conclusion

2 Math Environments

This is an equation. (1)

Definition 2. This is a definition.

Proposition 3. *This is a proposition.*

Lemma 4. *This is a lemma.*

Theorem 5. *This is a theorem.*

Algorithm 6: This is an algorithm.

Input: Some inputs
Output: Some outputs
Initialization: Some variables

```
1 while condition not met do
2   |   Some code;
3   |   Some more code;
4 end
5 for  $i = 0$  to  $k$  do
6   |   if some condition holds then
7   |   |   Do some magic;
8   |   else
9   |   |   return  $m$ ;
10  |   end
11 end
```

This is an equation. (7)

Example 8. This is an example.

	col 1	col 2	col 3	col 4
row 1	(1, 1)	(1, 2)	(1, 3)	(1, 4)
row 2	(2, 1)	(2, 2)	(2, 3)	(2, 4)
row 3	(3, 1)	(3, 2)	(3, 3)	(3, 4)

Table 8.1: This is a table.

Example 9. This is a second example.

With a second equation. (10)

3 Subfiles

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.

4 Citations

You can cite stuff like [1] and [2]. Combined citations look like this [3, 4].

Use cref for math environments.

- An equation I want to cref Equation 1.
- A definition I want to cref Definition 2.
- A proposition I want to cref Proposition 3.
- A lemma I want to cref Lemma 4.
- A theorem I want to cref Theorem 5.
- An algorithm I want to cref Algorithm 6.
- An example I want to cref Example 8.
- A line of code I want to cref Algorithm 6 Line 3.

Note that autoref does not work properly. There is a autoref warning “No autoref name for ‘mycounter’” occurs. The recommended fix would be to rename counters. See <http://tex.stackexchange.com/questions/256672/autoref-does-not-seem-to-be-working-properly> for details. However, using cref seems to be simpler.

5 Images



Reference

- [1] Arthur B Cummings, David Eftekhary, and Frank G House. “The accurate determination of college students’ coefficients of friction”. In: *Journal of Sketchy Physics* 13.2 (2003), pp. 46–129.
- [2] James Tetazoo. *A brief guide to recreational pyromania*. Available at <http://www.blowinglotsofweirdstuffup.com/guide.html> (2005/06/12).
- [3] I J Kuss. *On the Importance of Kissing Up to Your Boss*. 5th ed. Cambridge MA: Dilbert Books, 1995.
- [4] Tom Upsilon. “Obscure Greek letters and their meanings in mathematics and the sciences”. In: *Proceedings of the seventh international trivia conference*. Ed. by V W Xavier. Philadelphia PA: Last Resort Publishers, 1987, pp. 129–158.
- [5] Gagan Aggarwal and Jason D. Hartline. “Knapsack auctions”. In: *Proceedings of the 17th Annual ACM-SIAM Symposium on Discrete Algorithms*. New York: Association for Computing Machinery, 2006, pp. 1083–1092.
- [6] O P Qwerty. “History of the Goofy Layout of Keyboards”. PhD thesis. Podunk IN, 1996.
- [7] O P Qwerty. “History of the Goofy Layout of Keyboards”. MA thesis. Podunk IN, 1996.
- [8] Robert Swearingen. *Morpholoty and syntax of British sailors’ English*. Tech. rep. New York NY, 1985.
- [9] J Mentor. “Behavior of small animals on fire”. Unpublished Manuscript. 2012.