

Sample Paper for CIG'12: The 2012 IEEE Conference on Computational Intelligence and Games

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This sample file is intended to serve as a “starter file.” You need to replace the text in this file with the text that makes up your paper.

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II. RESULTS

The main results and findings go here.

Do not number an equation if it will not be directly cited in the paper. In order to avoid numbered equations, use $\begin{equation*}$ – $\end{equation*}$, $\left[- \right]$, or $\$-\$$. For example:

$$a = b + c,$$

$$\dot{x} = f(x, u) + g(x, u),$$

or

$$\ddot{s} = G(s, t)$$

where f , g , and G are functions.

Note that Equation (1) below is numbered! It is produced using $\begin{equation}$ – $\end{equation}$:

$$F_i(P_i) = a_i + b_i P_i + c_i P_i^2 \quad (1)$$

where a_i , b_i , and c_i are coefficients of unit i , and P_i represents some value for unit i .

Aligning equations can be done with either the align or eqnarray commands. Recently, \begin{align} – \end{align} has gained popularity over $\begin{eqnarray}$ – $\end{eqnarray}$.

Equation (2) is produced using \begin{align} – \end{align} :

$$\begin{aligned} \dot{x}_l &= \sum_{i=1}^m \frac{c_{P_{x_i}} e^{k_{x_i} \bar{x}_i} + c_{N_{x_i}} e^{-k_{x_i} \bar{x}_i}}{e^{k_{x_i} \bar{x}_i} + e^{-k_{x_i} \bar{x}_i}} \\ &\quad + \frac{1}{2} \sum_j^q (c_{P_{u_j}} + c_{N_{u_j}}) \\ y &= A_0 + A_1 \tanh(K_x \bar{x}) + B \tanh(K_u \bar{u}) \\ &= F(x), \end{aligned} \quad (2)$$

where $F(x)$ is a function.

TABLE I
PAGE LIMIT

| | |
|---------------------|---------------|
| Page limit: | 8 |
| Excess page charge: | USD\$100/page |

Equation (3) represents the same equation produced using $\begin{equation}$ – $\end{equation}$:

$$\begin{aligned} \dot{x}_l &= \sum_{i=1}^m \frac{c_{P_{x_i}} e^{k_{x_i} \bar{x}_i} + c_{N_{x_i}} e^{-k_{x_i} \bar{x}_i}}{e^{k_{x_i} \bar{x}_i} + e^{-k_{x_i} \bar{x}_i}} \\ &\quad + \frac{1}{2} \sum_j^q (c_{P_{u_j}} + c_{N_{u_j}}) \\ y &= A_0 + A_1 \tanh(K_x \bar{x}) + B \tanh(K_u \bar{u}) \\ &= F(x), \end{aligned} \quad (3)$$

where $F(x)$ is a function. You get the idea!

A. Example of a Figure

Below is an example of a floating figure using the graphicx package. Note that \label must occur AFTER (or within) \caption . For figures, \caption should occur after the \includegraphics . To reference a figure, use the word Figure followed by the figure number. Here is an example: Figure 1.



Fig. 1. The first author and a member of her team

B. Figures and Tables

Please follow the style in this sample paper when generating your figures and tables.

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Usually, your paper should contain an Introduction, Background, Methodology, Results, and Conclusions section. You may also add Acknowledgments if you like. After that, you should list your references in a References section.

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Another example of a table is shown in Table II.

Citations are included like so [1]. Multiple citations appear like this [2], [3].

TABLE II
A SECOND TABLE

| Method | Mean time | Best time | Mean cost | Maximum cost | Minimum cost |
|--------|-----------|-----------|-----------|--------------|--------------|
| A | 928.36 | 926.20 | 124793.5 | 126902.9 | 123488.3 |
| B | 646.16 | 644.28 | 124119.4 | 127245.9 | 122679.7 |
| C | 1056.8 | 1054.2 | 123489.7 | 124356.5 | 122647.6 |
| D | 632.67 | 630.36 | 123382.0 | 125740.6 | 122624.4 |

III. CONCLUSIONS

The conclusion goes here.

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APPENDIX

Put your appendix here if you have any.

ACKNOWLEDGMENTS

The authors would like to thank Mr. XYZ for his/her help. This work was supported in part by the National Science Foundation under grant no. XXXXX, etc.

REFERENCES

- [1] A. Great, *This is the book title*. This is the name of the publisher, 2006.
- [2] F. Author, S. Author, and T. NonRelatedAuthor, "This is the paper title," in *This is the proceedings title*, 2008, pp. 1–8.
- [3] B. Myself, "This is the title of the journal article," *This is the name of the journal*, pp. 1–30, 2007.