

# A Sample File for NICOGRAPH ( $\text{\LaTeX}$ Version)

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## Abstract

This paper presents the  $\text{\LaTeX}$  version of a sample for NICOGRAPH and other conference paper of The Society for Art and Science.

## 1 Introduction

This document is a sample for NICOGRAPH and other conference paper of The Society for Art and Science. We provide this sample in two formats: MS WORD and  $\text{\LaTeX}$ .

- Body text
- References
- Figures and tables

By the way, the review process of NICOGRAPH is not double-blind. Therefore, **please do not delete author information on the review paper.**

## 2 Format

### 2.1 Page setting

Please set the size of pages as "A4", not "Letter".

### 2.2 Contents

Please indicate the following information in the beginning of the paper, as this sample indicates:

- Title
- Author names
- Author affiliations
- Contact e-mail addresses (option)
- Abstract

Then please describe the following contents as the body of the paper in two-column format.

## 3 Detailed specifications

### 3.1 Header and footer

The headers and the footers of this sample document show the conference name and the page numbers, respectively. The authors do not have to edit the footers and headers since the headers and footers will be edited by the publication chairs.

### 3.2 Section

It is strongly recommended to divide the body text into several sections. Using  $\text{\LaTeX}$  commands "section", "subsection", and "subsubsection" is also strongly recommended.

### 3.3 Figures and tables

It is required to indicate titles of all figures and tables with their sequential numbers. Also, it is required to refer all figures and tables from body text with the numbers. **Titles of figures must be inserted immediately below the figures themselves**, as shown in Figure 1.

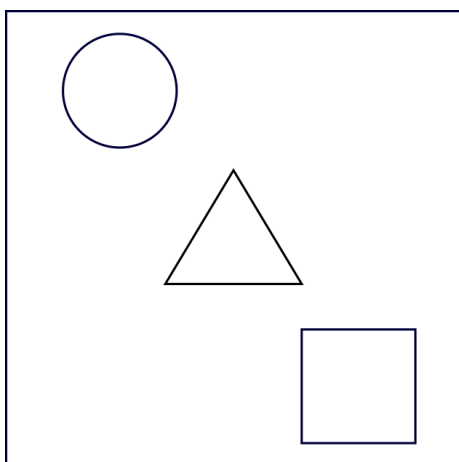


Figure 1: Example of figure.

**Titles of tables must be inserted directly above the tables themselves**, as shown in Table 1.

Table 1: Example of table

	Math	English	Japanese
Taro	68	91	34
Jiro	53	12	97

This sample uses ‘H’ option in the figure/table environments. This option may be changed as appropriate.

Figure 2 shows an example for figure in one column using ‘figure\*’ environment.

### 3.4 Formulas

In-text formulas may be surrounded by any proper math open/close pair  $\backslash($  and  $\backslash)$ , such as  $x^2 + y^2 \leq 1$ .

It is recommended to use ‘equation’ environment for displayed formulas.

$$\mathbf{A}_p = \frac{\mathbf{A} \cdot \mathbf{B}}{|\mathbf{B}|^2} \mathbf{B}. \quad (1)$$

Use `\eqref` command for referring to formulas rather than `\ref`. `\eqref` works exactly like `\ref` except that it adds parentheses, i.e, instead of printing a plain number ‘1’, it will print ‘(1)’.

For a sequence of two or more related formulas (equations), use the ‘align’ environment to line them up at equal (or unequal) signs instead of ‘equation’ environment. As shown in the formula (2):

$$\begin{bmatrix} a_{11} & a_{12} & \cdots & a_{1n} \\ a_{21} & a_{22} & \cdots & a_{2n} \\ \vdots & \vdots & \ddots & \vdots \\ a_{m1} & a_{m2} & \cdots & a_{mn} \end{bmatrix} \otimes \begin{bmatrix} b_{11} & b_{12} & \cdots & b_{1n} \\ b_{21} & b_{22} & \cdots & b_{2n} \\ \vdots & \vdots & \ddots & \vdots \\ b_{m1} & b_{m2} & \cdots & b_{mn} \end{bmatrix} \\ = \sum_i^m \sum_j^n a_{ij} b_{ij}. \quad (2)$$

It is recommended that do not use ‘eqnarray’ environment, because ‘eqnarray’ has several serious shortcomings.

### 3.5 References

Please list all the cited references at the end of the body text. All the references must be sequentially numbered, and must be cited from the body text.

An example [1] is shown in the section of the references in this sample. It is recommended to describe author names, title, name of magazines or conferences, page numbers, and issued year. Publisher and ISBN number are also useful information. The above information is not required while citing non-document references such as Web pages[2].

### 3.6 Fonts

It is recommended to use the same fonts as in this sample document.

## 4 Conclusion

This sample file described formats and detailed rules of the papers for NICOGRAPH and other conference paper of The Society for Art and Science. We appreciate if you kindly report any troubles or inconveniences of this sample.

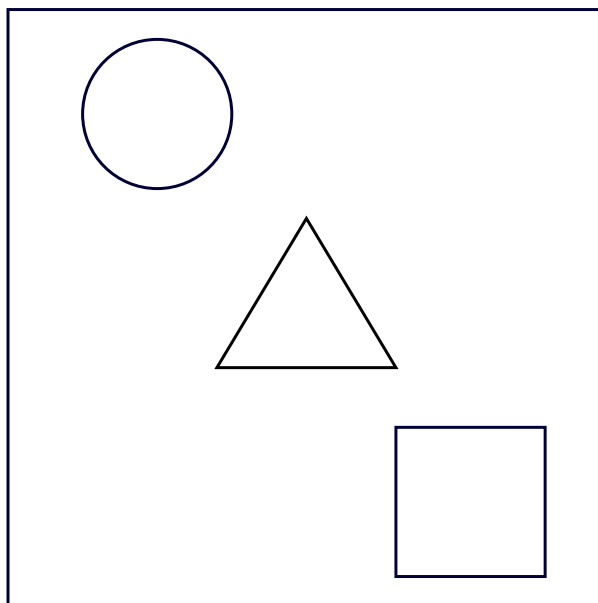


Figure 2: Example of figure in one column

## References

- [1] T. Itoh, Y. Yamaguchi, Y. Ikehata, and Y. Kajinaga. Hierarchical Data Visualization Using a Fast Rectangle-Packing Algorithm. *IEEE Transactions on Visualization and Computer Graphics*, 10:302–313, 2004.
- [2] The Society for Art and Science. Top Page of “The Society for Art and Science”. <https://art-science.org/>. Accessed: Jan-1, 2024.