

SHORT COMMUNICATION

Preparation of Your Manuscripts: A Nice Title Here!

First Author TOHOKU^{1, *}, Second Author SENDAI² and Third Author AOBA²

¹*Graduate School of Information Sciences, Tohoku University, Sendai 980-8579, Japan*

²*Research Institute of Electrical Communication, Tohoku University, Sendai 980-8577, Japan*

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1 Introduction

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*Corresponding author. E-mail: corresponding-author@e-mail.address.here

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Clearly indicate who will handle correspondence at all stages of refereeing and publication, also post-publication.

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A brief abstract of 200 words or less must be included. An abstract should state briefly the purpose of the research, the principal results and major conclusions. The abstract is often presented separately from the article and stored in database, so it must be able to stand alone and be self-contained. Also, non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself.

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Provide up to five keywords.

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Provide the internationally adopted subject classification code(s) for the study field. For example, Mathematics Subject Classification (MSC), Physics and Astronomy Classification Scheme (PACS), ACM Computing Classification System, JEL (Journal of Economic Literature) codes, and others.

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7 Mathematics

Authors can use common \TeX commands to generate mathematical expressions. Here are just a few hints for preparation of manuscripts.

Lemma 7.1. *A displayed equation with number appears as follows:*

$$\int_0^{\infty} xe^{-\alpha x} dx = \frac{1}{\alpha^2}, \quad \alpha > 0. \quad (7.1)$$

Proof. The proof appears like this. By integration by parts,

$$\int_0^{\infty} xe^{-\alpha x} dx = \left[x \left(-\frac{1}{\alpha} e^{-\alpha x} \right) \right]_{x=0}^{\infty} - \int_0^{\infty} \left(-\frac{1}{\alpha} e^{-\alpha x} \right) dx. \quad (7.2)$$

Since the first term in the right-hand side of (7.2) is zero, we obtain

$$\int_0^{\infty} xe^{-\alpha x} dx = \frac{1}{\alpha} \int_0^{\infty} e^{-\alpha x} dx = \frac{1}{\alpha^2}.$$

This proves (7.1). □

Proposition 7.2 (Name [1, Section 12.3]). *We often need to list a few equations. Displayed equations with numbers appear as follows:*

$$\alpha^2 + \frac{1}{\beta} = \gamma^2, \quad (7.3)$$

$$2\beta + \gamma^2 + \sin \theta = C + \lim_{n \rightarrow \infty} \sqrt{\delta_n}. \quad (7.4)$$

Theorem 7.3 (Name [2]). *Here is another example:*

$$\begin{aligned} \Lambda &= 2\gamma^2 + \cos \theta + \frac{XY \sin \theta}{X + Y \cos \theta} \\ &= \sum_{i=1}^{\infty} \delta_i \cos \theta_i. \end{aligned} \quad (7.5)$$

Proof. This is an immediate consequence from Proposition 7.2, see also [6, Chap. 5]. □

Corollary 7.4. *A simple consequence from Theorem 7.3 is stated here.*

Acknowledgments

Authors wishing to acknowledge assistance or encouragement from colleagues or financial support from organizations should do so in an unnumbered “Acknowledgments” section:

`\section*{Acknowledgments}`

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REFERENCES

- [1] Name, X. Y., “Title,” *Journal title*, **Volume**: Start page–End page (Year)
- [2] Name, N. N., and Second, B., “Title,” *e-Journal title*, **Volume (optional)**: identification of articles (Year)
- [3] Name, N. N., Second, B., and Third, C. C., Title, Publisher (Year)
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