

SHORT COMMUNICATION

Preparation of Your Manuscripts: A Nice Title Here!

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KEYWORDS: Provide up to five keywords, keyword 2, keyword 3, keyword 4, keyword 5

1 Introduction

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Received January DD, 20YY; Accepted February DD, 20YY; J-STAGE Advance published March DD, 20YY

2010 Mathematics Subject Classification: Primary XXXXX, Secondary XXXXX, etc.

This work is supported by Grant XYZ.

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

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Provide up to five keywords.

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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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