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#### 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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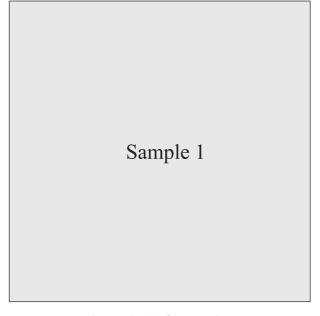


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# 7 Mathematics

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:

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

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

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

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

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

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:

$$\alpha^2 + \frac{1}{\beta} = \gamma^2,\tag{7.3}$$

$$2\beta + \gamma^2 + \sin \theta = C + \lim_{n \to \infty} \sqrt{\delta_n}. \tag{7.4}$$

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

$$\Lambda = 2\gamma^2 + \cos\theta + \frac{XY\sin\theta}{X + Y\cos\theta}$$

$$= \sum_{i=1}^{\infty} \delta_i \cos\Theta_i. \tag{7.5}$$

*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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