

A Guideline for Contributors to 31st ISTS, 26th ISSFD & 8th NSAT Preprint and The ISTS Special Issue of Transactions of JSASS, Aerospace Technology Japan

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This is the manual for how to prepare your paper for the 31st ISTS, 26th ISSFD & 6th NSAT Conference Digital Media/Archive and for the ISTS Issue of Japan Society for Aeronautical and Space Science (JSASS) On-Line Journal. All the papers should be written by appropriate word processors with the format specified in this manual. Abstract should be placed here.

Key Words: Format Sample, ISTS, ISSFD, NSAT (no more than 5)

All symbols need to be defined.
Symbols should be listed in alphabetical order.
All abbreviations need to be spelled out at their first instance.

All key words should start with upper case.

Nomenclature

V : velocity

X : position

Subscripts

0 : initial

f : final

1. Introduction

Each paragraph should be indented by two letters.

These guidelines include complete descriptions of the fonts, spacing, and related information for producing your manuscripts. Please pay extreme attention to keep the original format of this Word file. All manuscripts are to be submitted electronically via the ISTS Web site at <http://www.ists.or.jp/2017/> **no later than February 1st, 2017 for Student session** and **April 17th, 2017 for general sessions**.

2. Formatting Your Paper

Two letters blank

Each paper is allowed up to six pages of texts, including figures and tables. Color graphics are acceptable. However, movie files and some kinds of software tools should not be included in the paper. The length of the paper may exceed 6 pages, only when it is necessary from a viewpoint of the clearness of the content. But **never exceed 10 pages**.

Table 1 shows the form of the paper. The authors need not put the notice of your paper number and the copyright on their manuscripts. It will be put on the papers by the editor of ISTS.

3. Title etc.

3.1. Title

The title should be brief and concise. The title should be centered, and in Times 14-point, boldface type. Capitalize the first letter of nouns, pronouns, verbs, adjectives, and adverbs;

do not capitalize articles, coordinate conjunctions, or prepositions (unless the title begins with such a word). Leave a blank line after the title. The space between the lines is 17.5 point.

3.2. Author name(s) and affiliation(s)

Author names are to be centered beneath the title and printed in Times 10-point, non-boldface type. The full name is preferred. Only primary contributors should be listed in authors list; others may appear in Acknowledgment. Affiliations should follow on the next line. The affiliations are centered, italicized and in Times 8-point, not bold. Leave two blank lines after the affiliations. The space between the lines is 10-point.

3.3. Abstract

Abstract should be indented 4 letters, 100- to 200-words, written as a single paragraph and printed in Times 8.5-point, not bold, flush left. Leave 30 mm in both sides. The space between the lines is 11.5-point.

It should be a summary and complete in itself. The abstract should indicate the subjects dealt with in the paper and should state the objectives and the results of the investigation.

Leave one blank line after the abstract.

Table 1. Form of the paper.

Items	Values
Paper size	A4
Max number of pages	6 (maximum 10)
Margin	Top: 25 mm and under: 25 mm side: 17 mm
Font	Times-New-Roman and symbol

3.4. Key words

Key word should be centered, in Times 8.5-point, not bold. Begin by “**Key Words:** ” (in Times 8.5-points, boldface type, and 2 letters blank) at the top.

4. Main Text

Type your main text in 9.5-point Times, single-spaced. All paragraphs should be indented 2 letters. Be sure your text is fully justified. The space between the lines is 12-point.

4.1. Nomenclature

A nomenclature section is required for papers containing more than a few symbols; nomenclature definitions should not appear in the text. Nomenclature should be beneath the key words as follows:

“Symbol (*V, X etc.*): (colon) (2 letter blank) Definitions”. The position of colon is 35 mm from the left end of the page.

Please use standard symbols whenever possible. The symbols are in 9.5-point and the definitions are in Times 9.5-point, not bold.

4.2. Introduction

The paper must include an Introduction – a brief assessment of prior work by others and an explanation of how the paper contributes to the field.

4.3. Major-headings

For example, “**1.**(2 letters blank)**Introduction**”, should be Times 9.5-point boldface, with the first letter capitalized, flush left, with one blank line from last, leaving one blank line to next. Use a period (“.”) after the heading number, not a colon.

4.4. Sub-headings

For example, “**4.4.**(2 letters blank) **Second-order headings**”, should be Times 9.5-point boldface, initially capitalized, flush left and **with no blank line from last.**

4.4.1. Subsub-headings

For example, “**4.4.1.**(2 letters blank) **Third-order headings**”, should be Times 9.5-point boldface, initially capitalized, flush left and **with no blank line from last.**

4.5. Figures

Figure captions should be 8-point Times and centered. For example: “Fig.(a blank)1.(2 blanks)The symbol of JSASS”. Capitalize only the first word of each caption. The captions are to be below the figures. Please use “Figure 1” or “Figures 1 and 2” at the beginning of sentences. Otherwise, use “Fig. 1”, or “Figs. 1 and 2” in the text. **All figures must be referred to in the text.**

4.6. Tables

Table captions should be 8-point Times and centered. For example: “Table(a blank)1.(2 blanks)Form of the paper”. Capitalize only the first word of each caption. The captions are to be over the tables. **All tables must be referred to in the text.**

4.7. Equations

The symbols should be in 9.5-point and centered. The equation numbers should be right flush, as (1).

$$A + B = C, \quad (1)$$

and

$$D + E = F. \quad (2)$$

Please use “Equation (1)” at the beginning of sentences. Otherwise use “Eq. (1)” or “Eqs. (1) and (2)” in the text.

Other example equations are shown in the following. One is the definition of St_n

$$St_n = \frac{f_n L}{U_\infty} = \frac{n}{\left[\beta M_\infty \left(1 + \frac{\gamma-1}{2} M_\infty^2 \right)^{-1/2} + \frac{1}{K} \right]} \quad n = 1, 2, 3, \dots \quad (3)$$



Fig. 1. The symbol of JSASS. Only the first letter in a sentence should be upper case. **Single-line caption should be centered. In plural-line caption, lines before the last one both sided, the last one flush left. Captions must end with a period.**

and another one is differential equation

$$\langle \nabla^2 \phi \rangle_i = \frac{2d}{\lambda n^0} \sum_{j \neq i} [(\phi_j - \phi_i) w(|\mathbf{r}_j - \mathbf{r}_i|)], \quad (4)$$

where

$$\lambda = \frac{\sum_{j \neq i} |\mathbf{r}_j - \mathbf{r}_i|^2 w(|\mathbf{r}_j - \mathbf{r}_i|)}{\sum_{j \neq i} w(|\mathbf{r}_j - \mathbf{r}_i|)}. \quad (5)$$

5. Others

Formats for references and acknowledgments should fit to the followings: For references, list and number all bibliographical references in 8-point Times at the end of your paper. The space between the lines is 10-10.5-point. When references are cited in the text, write the numbers referred to as **A,¹⁾** or **B,^{2,3)}** or **C,⁴⁻¹⁰⁾** **after a comma,¹¹⁾** or **a period.¹²⁾** **If the numbered reference citation is a word of the main text, write it as in the following example. “As shown in Ref. 18), the three-body problem should be taken into account for mission design.”** The sample is shown at the end of this guideline. The heading of it is “**References**” that is 9.5-point, bold, centered. **All references must be referred to in the text.**

The heading “**Acknowledgments**” is 9.5-point, bold, flush left.

6. PDF file conversion

- Use of Adobe: Acrobat Distiller and a version 1.5 (Acrobat 6.0) PDF file are recommended.
- Set the resolution to 600dpi or similar.
- The size of a pdf file must be less than 3MB per each paper.
- Embed all fonts (symbols, space etc.) in the PDF file.
- Do NOT create bookmarks.
- Do NOT set security.

7. Conclusion

Conclusion should be clearly stated.

Acknowledgments

No section number

The editorial office appreciates authors' efforts to fully follow this template style because a manuscript for this special issue must be made camera-ready for themselves.

References

Centering

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