

1 **An Introduction to LaTeX Style File for**
2 **Journal of Meteorological Society of Japan**

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Abstract

11 We constructed a package of LaTeX style files for manuscripts for Journal
12 of Meteorological Society of Japan. This package supports LaTeX users to
13 make well formatted manuscripts to submit to editorial board. It works
14 with latex only with core packages. All other packages needed are self-
15 included. It supports making standardized formats of authors, affiliations,
16 corresponding author, section numberings, figure captions, separated figure
17 and table pages, their lists and references. It also conserves fundamental tex
18 standards, with minimum special commands. It would work with almost
19 all other style files used in public.

20 **Keywords** trajectory; dynamical core; advection scheme; water vapor;
21 monsoon

22 **1. Introduction**

23 Latex (Lamport 1986) is a document typesetting environment for manuscript
24 preparation, which is widely used also in our meteorological research com-
25 munity in Meteorological Society of Japan. However, there were no stan-
26 dard packages that support making manuscripts using latex in the literature.
27 Here we present a first attempt to respond to the request for latex package
28 to assist with manuscript preparation for JMSJ.

29 This latex package, named as 'jmsjinputs', is simple and based on well
30 used robust packages. We tried to minimize the changes from the original
31 latex standards. Therefore, this package would work well with almost all
32 well known styles and packages in public.

33 In section 2, we show basic instructions to utilize this package, and
34 explain the structure of the manuscript created using this package. Section 3
35 is devoted to the introductions for some additional commands supported by
36 jmsjinput. The summary and conclusions are in section 4.

37 **2. Structure of Manuscript**

38 *2.1 Cross References*

39 All figures and tables are printed on separated sheets one by one and
40 automatically moved to the end of the document. Here is Figs. 1, 2 and
41 Table 1. You can confirm that they are printed at the end of this document
42 on separated pages. Figure and Table lists are also automatically added.
43 In the caption of Fig 1, we calculated the area S of the rectangle using the
44 following formula;

$$S = a \times b \quad (1)$$

45 where a and b are length and width of the rectangle, respectively. In Fig. 2,
46 Eq. 1 was used again for the calculation of the area of the rectangle.

47 *2.2 Section Style*

48 For the references, unnumbered section is created. Unnumbered section
49 titles are centered, as is shown in the section 'Acknowledgements'. The
50 numbering style of subsections are also adjusted to JMSJ standard.

51 **3. Useful Commands**

52 In the header, the author should contain correspondingauthor command.
53 It has four parameters, full name, affiliation, address and e-mail.

Fig. 1

Table 1

Fig. 2

54 We support several formats of references such as;

55 • standard articles in journals (Matsuno 1966),

56 • book (Holton 2004),

57 • in collection (Yanai and Wu 1996), and

58 • proceedings (Terao et al. 2009).

59 Other formats may also be added soon. Several citation commands are

60 available, based on the 'mslapa' package. Please refer to comments in style

61 file of mslapa package for more detail.

62 **4. Summary and Conclusions**

63 We constructed a package of LaTeX style files for manuscripts for Jour-

64 nal of Meteorological Society of Japan. This package supports TeX users

65 to make well formatted manuscripts to submit to editorial board. It is acti-

66 vated by selecting jmsj class using documentclass command. Now only draft

67 mode is supported. All packages needed for this class are self-included. It

68 supports making standardized formats of authors, affiliations, correspond-

69 ing author, section numberings, figure captions, separated figure and table

70 pages, their lists and references. It also conserves fundamental tex stan-

71 dards, with minimum special commands. It may work with almost all other

72 style files used in public.

73 **Supplement**

74 Supplement 1 shows backward trajectories of air masses in different seasons.

75 Supplement 2 shows animation of the near-surface mass concentration of

76 particles emitted continuously from the source region.

77 **Acknowledgements**

78 The authors would like to thank Dr. Yoshihiro Tomikawa in National

79 Institute of Polar Research for his valuable comments for this package. This

80 package utilizes endfloat.sty, lineno.sty, smlapa.sty, and preprint package.

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List of Figures

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98		was drawn.	8
99	2	The second figure of this article. Same area as Fig. 1, but	
100		portrait style.	9

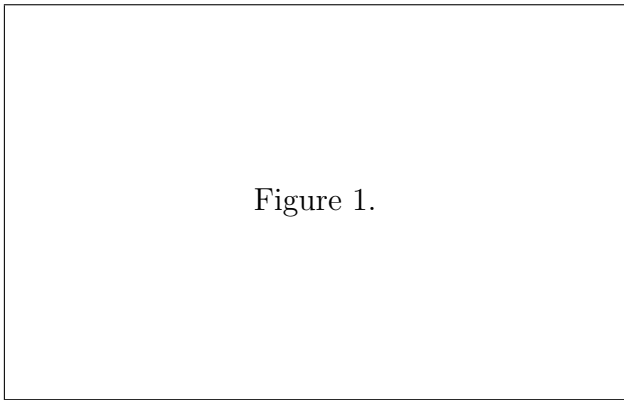


Fig. 1. The first figure of this article. A box with $8 \times 5 = 40 \text{ cm}^2$ was drawn.

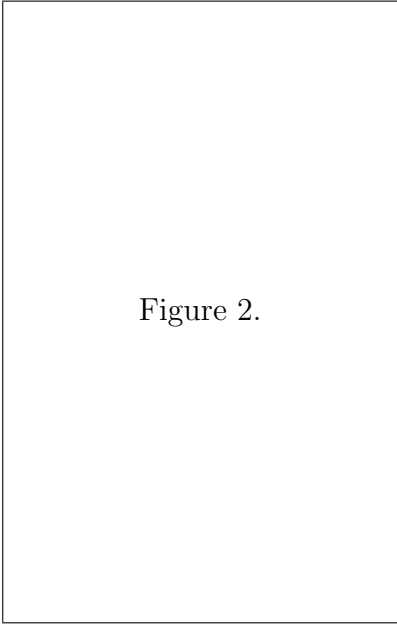


Fig. 2. The second figure of this article. Same area as Fig. 1, but portrait style.

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Table 1. Name of months in traditional Japanese and English.

Japanese	English
Uzuki	January
Kisaragi	Feburuary