

plus.1zw  
minus.05zw

plus.1zw  
mi-  
nus.05zw  
zw  
.522  
.25

plus.1zw minus.05zw

'≡','=')=(=']='['='='{=

34=100092Lzw000  
ZW minus.05zw

plus.1zw minus.05zw

OT1cmrmn1,OT1cmrmna)<sub>ZW</sub> OT1cmrmn1<sub>ZW</sub> OT1cmrmn1,OT1cmrmn†1,OT1cmrmnb)<sub>ZW</sub>

2016 3 4 2015 7 16 / 2015 11 20  
2016 8 1

L<sup>A</sup>T<sub>E</sub>X

L<sup>A</sup>T<sub>E</sub>X

L<sup>A</sup>T<sub>E</sub>X

## How to Prepare Your Paper for IPSJ Journal (ipsj.cls version 2.01)

TARO JOHO<sup>1,a)</sup> ZW HANAKO SHORI<sup>1</sup> ZW JIRO GAKKAI<sup>1,†1,b)</sup> ZW

Received: March 4, 2016, Revised: July 16, 2015/November 20, 2015,  
Accepted: August 1, 2016

**Abstract:** This document is a guide to prepare a draft for submitting to IPSJ Journal, and the final camera-ready manuscript of a paper to appear in IPSJ Journal, using L<sup>A</sup>T<sub>E</sub>X and special style files. Since this document itself is produced with the style files, it will help you to refer its source file which is distributed with the style files.

**Keywords:** IPSJ Journal, L<sup>A</sup>T<sub>E</sub>X, style files, “Dos and Don’ts” list

---

plus.1zw minus.05zw  
plus.1zw minus.05zw zw<sup>†</sup>  
IPSJ, Chiyoda, Tokyo 101-0062, Japan  
plus.1zw minus.05zw zw<sup>†1</sup>  
Presently with Johoshori University  
plus.1zw minus.05zw zwjoho.taro@ipsj.or.jp

1.zw

A4 2

A4 2

---

plus.1zw minus.05zw zwgakkai.jiro@ipsj.or.jp

plus.1zw minus.05zw

L<sup>A</sup>T<sub>E</sub>X??

L<sup>A</sup>T<sub>E</sub>X

plus.1zw minus.05zw zw

plus.1zw minus.05zw      ~~plus.1zw minus.05zw~~ **2.1zw**  
L<sup>A</sup>T<sub>E</sub>X

plus.1zw minus.05zw / www.ipsj.or.jp/journal/submit/style.html :  
plus.1zw minus.05zw / www.ipsj.or.jp/journal/submit/style.html :

(2)ipsjpref.sty :

2

(3)jshslzw+minus.05zw  
sample.tex

(5)ipsjsort.bst : jBibTEX

(4)esample.tex :

(6)ipsjunsrt.bst : jBibTEX

(7) bibsample.bib

(9) zwipsjtech.sty

(8) ebibsample.bib:

(10) tech-jsample.tex:

( 11 ) plus.1zw minus.05zw      Microsoft      Word      L<sup>A</sup>T<sub>E</sub>X

been-esample.tex

L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>





~~L<sup>A</sup>T<sub>E</sub>X~~ plus.1zw minus.05zw      .tex    .bbl    -  
PostScript      .tex      plus.1zw minus.05zw **2.4zw**



plus.1zw minus.05zw

$\documentclass[submit]{ipsj}$

4.zw

??

$\setcounter{ }{< >}$

\setcounter{ }{< >}  
plus.1zw minus.05zw

\ {< >}{< >}{< >}

\setcounter{page}{< >}

\ {< >}{< >}{< >}

\begin{document}

`\title{plus.1zw minus.05zw}`

`\paffiliate`

`\etitle{ ( )}`

`\paffiliate{ }{< >\\< >}`

`\affiliate{ }{< >\\< >}`



< >plus.1zw minus.05zw

< >

\end{abstract}

\end{jkeyword}

\begin{jkeyword}

\begin{eabstract}

< >plus.1zw minus.05zw	\end{ekeyword}
\end{eabstract} \begin{ekeyword}	\maketitle
<KeyWords>	\section{ 1 }

.....plus.1zw minus.05zw

< >

\begin{acknowledgment}

.....

\end{acknowledgment}

plus.1zw minus.05zw  
`\begin{thebibliography}{99}%9 or 99`  
`\bibitem{1}`

`\bibitem{2}`  
`\end{thebibliography}`

plus.1zw minus.05zw

`\appendix`

`\begin{biography}`

`\section{ 1 }`

`\profile{<X>}{< >}{< >}`

$\end{biography}$   
 $\end{document}$

plus.1zw minus.05zw **4.1zw**

$\documentclass{ipsj}$  \*1

---

plus.1zw minus.05zw zw\*1 ??

plus.1zw minus.05zw

(1)submit

TEX submit

(2)invited

2

(3)plus.1zw minus.05zw  
signature recommended

(5)preface

(4)technote

(6)JIP

plus.1zw minus.05zw

`\usepackage`

plus.1zw minus.05zw **4.1.1zw**

L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>

`graphicx`

2

(1)techrep

techrep

(2)noauthor

tech-jsample.tex

\documentclass[submit,techrep]{ipsj}

plus.1zw minus.05zw

noauthor      tech-

`\documentclass[submit,techrep,noauthor]{ipsj}`      `esample.tex`

plus.1zw minus.05zw **Vol.59 No.1 ??-?? (Jan.1959 58)**

plus.12zw minus.05zw .452zw

plus.1zw minus.05zw **4.2.1zw**

\maketitle

\title    \etitle

//

plus.1zw minus.05zw      \paffiliate      \\\    Presently  
plus.1zw minus.05zw      with      \author  
                                 \author      2 3 ...

plus.1zw minus.05zw	ASCII	plus.1zw minus.05zw	<b>4.2.4zw</b>	
plus.1zw minus.05zw	<b>4.2.3zw</b>	jkeyword	ekeyword	1 5
abstract	eabstract			

plus.1zw minus.05zw      4.3zw      \paragraph

plus.1zw minus.05zw      **4.3.1zw**      \newtheorem

        \section,    \subsection,    \subsubsection,

plus.1zw minus.05zw      **Vol.59 No.1 ??-?? (Jan.1959 58)**

plus.1zw minus.05zw      plus.1zw minus.05zw      **4.3.2zw**

2

plus.1zw minus.05zw      **4.3.3zw**

`\vspace`      `\vskip`

plus.1zw minus.05zw      plus.1zw minus.05zw **4.3.5zw**

・ ,

2

(1) plus.1zw minus.05zw ( )

(3)

(2)

(4)

— — — — —

plus.1zw minus.05zw 4.3.6zw

plus.1zw minus.05zw 4.3.7zw

enumerate, itemize, description	\footnote	*2 *3
	plus.1zw minus.05zw zw <sup>*2</sup>	
	plus.1zw minus.05zw zw <sup>*3</sup>	

plus.1zw minus.05zw

1959

\footnotemark

plus.1zw minus.05zw **4.3.8zwOverfull Underfull**

\footnotetext

overfull

overfull

plus.1zw minus.05zw      \verb      \linebreak

overfull      over-

full      \verb

plus.1zw minus.05zw      plus.1zw minus.05zw

plus.1zw minus.05zw      **4.4.2zw**

plus.1zw minus.05zw      **4.4.1zw**

(displayed math)      \$\$    \$\$      \[    \]

\$ \$, \(\ \),      math

displaymath, equation, eqnarray

$$\Delta_l = \sum_{i=l|1}^{\text{plus.1zw minus.05zw}} \delta_{pi}$$

(1)

plus.1zw minus.05zw 4.4.3zweqnarray

2

$\backslash[ \quad \backslash]$

$$\begin{equation}$$
$$\end{equation}$$
$$\begin{eqnarray}$$

plus.1zw minus.05zw
Vol.59 No.1 ??-?? (Jan.1959 58)

\end{equalarray}
plus.1zw minus.05zw
plus.1zw minus.05zw 4.4.4zw
plus.1zw minus.05zw 4.5zw
1 ?? h
\caption

L<sup>A</sup>T<sub>E</sub>X

<code>\caption</code>	<code>plus.1zw minus.05zw</code>	<code>2</code>	<code>\\</code>	<code>??</code>	<code>\caption/\ecaption</code>	<code>minipage</code>
	<code>??</code>	<code>\figref{&lt; &gt;}</code>			<code>minipage</code>	<code>\CaptionType{figure}</code>
<code>1</code>	<code>figure</code>	<code>table</code>		<code>??</code>		

`\captiontype{table}`      figure      table      ??      encapsulate      PostScrip-  
    t      EPS  
 2      ??      t      \usepackage{graphicx}

`\includegraphics`      `\footnotesize`  
plus.1zw minus.05zw **4.6zw**      `\caption`      `\ecaption`  
??      `\tabref{< >}`

plus.1zw minus.05zw      \cite{companion,okumura} L<sub>A</sub>T<sub>E</sub>X

plus.1zw minus.05zw **4.7.1zw**

\cite      []      ? L<sub>A</sub>T<sub>E</sub>X

plus.1zw minus.05zw  
plus.1zw minus.05zw **4.7.2zw**

BiB<sub>T</sub><sub>E</sub>X ipsjunsrt.bst      ipsjsort.bst  
\bibliographystyle \bibliography  
                                 .bib      .bbl

plus.1zw minus.05zw  
bibliography

plus.1zw minus.05zw **4.7.3zw**

acknowledgment

plus.12w minus.05w 4.8zw

\end{document}

\begin{biography}

\profile{m}{< >}{ }

\profile{m,F}{< >}{ }

\profile{m}{<...>}{\dots}



plus.1zw minus.05zw

E

L

F

plus.1zw minus.05zw      **5.zw**

300dpi 100

?

?

plus.1zw minus.05zw      ☐

☐

☐      XX

plus.1zw minus.05zw

□

□

□

□ plus.1zw minus.05zw

☐☐

9

☐    plus.1zw minus.05zw      ☐

plus.1zw minus.05zw **5.2zw**

☐      ☐

□ plus.1zw minus.05zw

plus.1zw minus.05zw **5.3zw**☐

9

□ plus.1zw minus.05zw

☐☐☐

□ plus.1zw minus.05zw

☐

9

plus.1zw minus.05zw      ☐

☐    10            20    30

☐

☐ plus.1zw minus.05zw

plus.1zw minus.05zw **5.5zw**

☐

☐

☐ plus.1zw minus.05zw

plus.1zw minus.05zw **5.6zw**

☐

☐

□    plus.1zw minus.05zw

plus.1zw minus.05zw **5.7zw**

□

□    plus.1zw minus.05zw      **6. ~~zw~~ 2**

□

zwA4

plus.1zw minus.05zw

plus.1zw minus.05zw

plus.1zw minus.05zw

[1] 5 L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> (2010).

[2]Goossens, M., Mittelbach, F. and Samarin, A.: *The L<sup>A</sup>-TeX Companion*, Addison Wesley, Reading, Massachusetts

(1993).

[3] (1981).

[4]Strunk, W.J. and White, E.B.: *The Elements of Style, Forth Edition*, Longman (2000).

- [5] Blake, S. and Bly, R.W.: *The Elements of Technical Writing*, Longman (1993).
- [6] Higham, N.J.: *Handbook of Writing for the Mathematical Sciences*, SIAM (1998).

- [7] ( ) [http://www.ipsj.or.jp/journal/submit/manual/j\\_manual.html](http://www.ipsj.or.jp/journal/submit/manual/j_manual.html) 2007-04-05 .
- [8] ( ) <http://www.ipsj.or.jp/journal/manual/bekarazu.html> 2011-09-15 .

plus.1zw minus.05zw	A.1 A.2
plus.1zw minus.05zw	
A.1zw	plus.1zw minus.05zw A.1.1zw
\appendix	\section
	\subsetion

**A.2zw**plus.1zw minus.05zw      \documentclass      •PRO  
  
•TOM

●TOD plus.1zw minus.05zw

●CDS &

●ACS

●DCON

●TCE plus.1zw minus.05zw

●TB10 Bioinformatics \*4

---

plus.1zw minus.05zw zw\*TB10, SLDM, CVA

- SLDM System ESI Design Methodology \*4

english

\documentclass[PRO]{ipsj}

- CVA Computer Vision and Applicaitons \*4

\documentclass[PRO,english]{ipsj}

plus.1zw minus.05zw

`\setcounter{ }{< >}`

A.3zw

plus.1zw minus.05zw

\ {< >}{< >}{< >}

\rereceived{< >}{< >}{< >}

\ {< >}{< >}{< >}

\rerereceived{< >}{< >}{< >}

plus.1zw minus.05zw		\documentclass	abstract	
plus.1zw minus.05zw <b>A.3.1zw</b>	<b>PRO</b>	??	\maketitle	\ \

plus.1zw minus.05zw

\ {< >}{< >}{< >}

\Presented{< >}{< >}{< >}

Editor in Charge:

plus.1zw minus.05zw      `<end{document}>`

plus.1zw minus.05zw      **A.3.3zw**      &      **CDS**      ●systems

&      Paper on Consumer Systems

•services1zw minus.05zw

Paper on Consumer Services

•devices

Paper on Consumer Devices

•Research  
Research Paper

\documentclass[CDS,systems]{ipsj}

englishplus.1zw minus.05zw

plus.1zw minus.05zw **A.3.4zw**      **DCON**      **●Research**

Research Paper

●Practice Paper

Practice Paper

●Content

Content Paper

plus.1zw minus.05zw

english

plus.1zw minus.05zw **A.3.5zw**      **TCE**

\documentclass[DC,Research]{ipsj}

zw

plus.1zw minus.05zw

Regular Paper

●zw

●zwShort

plus.1zw minus.05zw      Short Paper

/documentclass[TCE,Short]{ipsj}

english



•zw Original Paper (Default)

•Survey Survey Paper

•Data Database/Software Paper

\documentclass[TBI0]{ipsj} Original Paper

\documentclass[10pt]{survey} Survey Paper

plus.1zw minus.05zw **A.3.7zw Computer Vision and**

TOD \Editor Communicated by

## Applicaitons

TOD \end{document}

CVA

Trans. CVA                      english

4 plus.1zw minus.05zw

●**Research**    Research Paper

●**zw**    Regular Paper (Default)

●**system**    Systems Paper

●Express.1zw Express Paper      TBIO      TBIO Communicated by  
Express Paper      (\profile)

**Methodology SLDM**

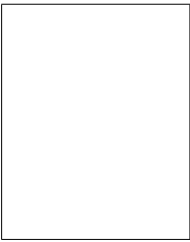
●Short plus.1zw minus.05zw  
Short Paper

SLDM

Recommended by Associate Editor: **invited**

Invited by Editor-in-Chief:

plus.1zw minus.05zw



zwplus.1zw minus.05zw  
1970 1992  
1994  
IEEE ACM

plus.1zw minus.05zw	plus.1zw minus.05zw	plus.1zw minus.05zw	plus.1zw minus.05zw
	1960 1982		1950 1974
	1984 1987 1987		1987 1977 1992
	1992 1997		1987 2000
	2010 IEEE IEEE-		2010
© 2018 Information Processing Society of Japan	CS ACM		IEEE IEEE-CS ACM

plus.1zw minus.05zw

```
\begin{figure}[tb]
  < >
\caption{< >}
\ecaption{< >}
\label{...}
\end{figure}
```

plus.1zw minus.05zw

© 2018 Information Processing Society of Japan

plus.1zw minus.05zw 1zw1

plus.1zw minus.05zw **Fig. 1** zwSingle column figure with caption

explicitly broken by  $\backslash\backslash$ .

plus.1zw minus.05zw plus.1zw minus.05zw

```
\begin{minipage}[t]{%
    {0.5\columnwidth}
\CaptionType{table}
\caption{ ...}
\ecaption{ ...}
\label{ ...}
\makebox[\textwidth][c]{%
\begin{tabular}[t]{lcr}
\hline\hline
left&center&right\\\hline
L1&C1&R1\\
L2&C2&R2\\\hline
\end{tabular}}
\end{minipage}
```

plus.1zw minus.05zw

plus.1zw minus.05zw

plus.1zw m

plus.1zw minus.05zw

---

94

left center

L1	C1
----	----

L2	C2
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

plus.1zw minus.05zw

plus.1zw minus.05zw    **2zw** ??

plus.1zw                      minus.05zw

plus.1zw minus.05zw **Fig. 2**zwContents of table ??.

plus.1zw minus.05zw

plus.1zw minus.05zw

plus.1zw minus.05zw

plus.1zw minus.05zw 2zw

plus.1zw minus.05zw plus.1zw minus.05zw **Table 2**zwAn example of table.

© 2018 Information Processing Society of Japan

	column1	column2	column3
row1	item 1,1	item 2,1	—
row2	—	item 2,2	item 3,2
row3	item 1,3	item 2,3	item 3,3
row4	item 1,4	item 2,4	item 3,4

plus.1zw minus.05z $\sqrt{w}$ 

---

```
\begin{figure*}[t]
```

< >

`\caption{< >}`

`\ecaption{< >}`

$$\backslash label\{ \dots \}$$

\end{figure\*}

© 2018 Information Processing Society of Japan

plus.1zw minus.05zw

96

plus.1zw minus.05zw

plus.1zw minus.05zw **3zw2**

plus.1zw minus.05zw

plus.1zw minus.05zw **Fig. 3**zwDouble column figure.