Title title title title title title title title title

A. Author One[1]†, B. Author Two[2] and C. Author Three[3]

[1]Affiliation One Department Name City Name Country Name
[2]Affiliation Two Department Name City Name Country Name
[3]Affiliation Three Department Name City Name Country Name

Dummy Text of abstract. Dummy Text of abstract.

Nomenclature

a	definition text
a, b	definition text definition text
APU	definition text definition text
ci	definition text definition text
CT	definition text
CAS	definition text definition text
E	definition text
D	definition text
f	definition text
Fg	definition text
F	definition text
FCOM	definition text

Greek Symbol

α	definition text
β	definition text definition text
γ	definition text definition text
δ	definition text definition text
ξ	definition text definition text
ϕ	definition text definition text definition text definition text definition text definition text definition text definition text definition text
ψ	definition text definition text

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1. First-order heading

This is an example of dummy text. This is an example of dummy text.

1.1. *Second-Order Heading*

This is an example of dummy text. This is an example of dummy text. This is an example of dummy text. This is an example of dummy text. This is an example of dummy text. This is an example of dummy text. This is an example of dummy text. This is an example of dummy text. This is an example of dummy text. This is an example of dummy text. This is an example of dummy text.†

1.2. *Lists*

Here is an example of a numbered list:

1. List entry number 1 List entry number 1 List entry number 1 List entry number 1 List entry number 1 List entry number 1,
2. List entry number 2, List entry number 2, List entry number 2, List entry number 2, List entry number 2, List entry number 2,
3. List entry number 3,
4. List entry number 4, and
5. List entry number 5.

The following is an example of an *itemized/bulleted* list.

- This is an example of bulleted listing.
- This is an example of bulleted listing. This is an example of bulleted listing.
- This is an example of bulleted listing. This is an example of bulleted listing. This is an example of bulleted listing.
- This is an example of bulleted listing. This is an example of bulleted listing. This is an example of bulleted listing. This is an example of bulleted listing.
- This is an example of bulleted listing.

This is an example of dummy text. This is an example of dummy text.

† This is an example of first footnote.

- This is an example of bulleted listing.
- This is an example of bulleted listing. This is an example of bulleted listing.
- This is an example of bulleted listing. This is an example of bulleted listing. This is an example of bulleted listing. It contains another list nested inside it. The inner list is an *enumerated* list.

    1. This is the first item of an enumerated list that is nested within the itemized list.
    2. This is the second item of the inner list. LATEX allows you to nest lists deeper than you really should.

    This is the rest of the second item of the outer list. It is no more interesting than any other part of the item.
- This is the third item of the list.

The default formatting of numbering can be changed as (1), (2), (3). . . , for example,

(1) List entry one.
(2) List entry two.
(3) List entry three.
(4) List entry four.
(5) List entry five.

The default formatting of numbering can be changed as (i), (ii), (iii). . . , for example,

 (i) List entry one.
 (ii) List entry two.
(iii) List entry three.
(iv) List entry four.
 (v) List entry five.

The default formatting of numbering can be changed as (a), (b), (c). . . , for example,

(a) List entry.
(b) List entry two.
(c) List entry three.
(d) List entry four.
(e) List entry five.

The default formatting of numbering can be changed as I, II, III. . . , for example,

  I. List entry.
 II. List entry two.
III. List entry three.
IV. List entry four.
 V. List entry five.

1.3. *Here is an example of extract*

This is an example text of quote or extract. This is an example text of quote or extract. This is an example text of quote or extract. This is an example text of quote or extract. This is an example text of quote or extract. This is an example text of quote or extract. This is an example text of quote or extract. This is an example text of quote or extract.

This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text.

<div align="center">

1.4. Equations

</div>

Example of a single-line equation 1.1.

$$a = b \text{ ((Single Equation Numbered)) ...} \tag{1.1}$$

Equations can also be multiple lines as shown in Equations 1.2 and 1.3.

$$c = 0 \text{ ((Multiple Lines, Numbered))...} \tag{1.2}$$
$$ac = 0 \text{ ((Multiple Lines, Numbered))...} \tag{1.3}$$

Unnumbered display equations single line:

$$\Gamma\psi' = x'' + y^2 + z_i^n$$

Unnumbered display equations multiple lines:

$$c = 0 \text{ ((Multiple Lines, Unnumbered))...}$$
$$ac = 0 \text{ ((Multiple Lines, Unnumbered))...}$$

1.4.1. *Third-Order Heading*

This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text.

This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text in Fig. 1.

This is dummy text. This is dummy text.

FIGURE 1. This is an example of a figure caption. (a) This is a description for part a, and (b) this is a description for part b.

FIGURE 2. This is an example of a figure caption. (a) This is a description for part a, and (b) this is a description for part b.

TABLE 1. Table caption

Year	Single outlet	Small multiple^a	Large multiple	Total
1982^b	98	129	620	847
1987	138	176	1000	1314
1991	173	248	1230	1651
1998	200	300	1500	2000

This is an example of unnumbered tablenote
^{a}This is an example of first numbered tablenote
^{b}This is an example of second numbered tablenote

This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text in Fig. 2.

This is dummy text. This is dummy text in Table 1.

Figure 3 shows the dummy text. This is dummy text in Table 2.

This is dummy text.† This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text.

† This is an example of second footnote.

FIGURE 3. This is an example of a figure caption. This is an example of a figure caption. This is an example of a figure caption. This is an example of a figure caption. This is an example of a figure caption. This is an example of a figure caption. (a) This is a description for part a, and (b) this is a description for part b.

TABLE 2. Table caption table caption table caption table caption table caption table caption table

Column 1	Column 2	Column 3	Column 4	Column 5
460	2.12	1.04	8.63	3.48
476	2.24	0.94	9.22	3.73
676	3.71	1.67	16.36	6.00
572	2.86	1.29	11.90	4.56

[a]First Table Footnote;
[b]TSecond Table Footnote.

This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text in Table 2.

This is an example of theorem.

THEOREM 1. *This is an example of enunciation. This is an example of enunciation. This is an example of enunciation. This is an example of enunciation. This is an example of enunciation. This is an example of enunciation.*

$$AB = \sum_i a_i b_i$$

2. FIRST-ORDER HEADING

Fourth-Order Heading

This is an example of Lemma

LEMMA 1. *This is an example of enunciation. This is an example of enunciation. This is an example of enunciation. This is an example of enunciation. This is an example of*

enunciation. This is an example of enunciation.

$$AB = \sum_i a_i b_i$$

THEOREM 2. *This is an example of enunciation. This is an example of enunciation. This is an example of enunciation. This is an example of enunciation. This is an example of enunciation. This is an example of enunciation.*

$$AB = \sum_i a_i b_i$$

THEOREM 3 (MATH DETAIL). *This is an example of enunciation. This is an example of enunciation. This is an example of enunciation. This is an example of enunciation. This is an example of enunciation. This is an example of enunciation.*

$$AB = \sum_i a_i b_i$$

This is an example of Remarks.

REMARK 1. *This is an example of enunciation. This is an example of enunciation. This is an example of enunciation. This is an example of enunciation. This is an example of enunciation. This is an example of enunciation.*

$$AB = \sum_i a_i b_i$$

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Author, C. Comprehensive analysis of transport aircraft flight performance, *Prog Aerospace Sci*, April 2000, **53**, (3), pp 192–236.

Author, D. Theoretical framework for the simulation of transport aircraft flight, *J Aircr*, September 2000, **107**, (5), pp 1669–1696.

Author, E. Steep-descent manoeuvre of transport aircraft, *J Abcd*, September 2010, **55**, (6), pp 1727–1739.

Author One, B.C., Author Two, D. and Author Three, D. Steep-descent manoeuvre of transport aircraft, *J Abcd*, September 2010, **55**, (6), pp 1927–1939.

Appendix
First order heading

Table 3. Table caption table caption table caption table caption table caption table caption table caption table caption table caption table caption table caption table caption table caption table caption

| Column One | Column Two | Span Col 3 & 4 | | Span Col 5 & 6 | |
		Column Three	Column Four	Column Five	Column Six
6-31+G(d,p)	460	2.12	1.04	8.63	3.48
6-31++G(d,p)	476	2.24	0.94	9.22	3.73
6-31++G(df,p)	676	3.71	1.67	16.36	6.00
6-311+G(d,p)	572	2.86	1.29	11.90	4.56
6-311++G(3df,2p)	1,060	7.54	3.25	36.70	11.45

[a] Table Footnote
[b] Second Table Footnote.

Figure 4. This is an example of a figure caption. (a) This is a description for part a, and (b) this is a description for part b.

Figure 5. This is an example of a figure caption. (a) This is a description for part a, and (b) this is a description for part b.