Page 1 of 9. © Royal Aeronautical Society 2016 doi: 10.1017/aer.2016.1

# Title title title title title title title title

Subtitle subtitle subtitle subtitle subtitle subtitle

A. Author One abcd.xyz@mnop.edu B. Name Author Two\*

Affiliation One Department Name City Name Country Name

#### A. Author One, B. Author Two and C. Author Three

Affiliation Two Department Name City Name Country Name

#### A. Author One and C. Author Two

Affiliation Three Department Name City Name Country Name

# **ABSTRACT**

Dummy Text of abstract. Dummy Text of abstract.

<sup>\*</sup> Author's notes

# NOMENCLATURE

definition text definition text definition text a, b **APU** definition text definition text cidefinition text definition text CTdefinition text **CAS** definition text definition text Edefinition text Ddefinition text f definition text Fgdefinition text definition text **FCOM** definition text

# **Greek Symbol**

 $\alpha$  definition text

 $\beta$  definition text definition text

 $\gamma$  definition text definition text

 $\delta$  definition text definition text

 $\xi$  definition text definition text

 $\phi$  definition text definition text definition text definition text definition

text definition text definition text

 $\psi$  definition text definition text

# 1.0 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.

<sup>†</sup> This is an example of first footnote.

#### 1.2 Lists

Here is an example of a numbered list:

- 1. List entry number 1 List entry number 1,
- 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 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 dummy text. This is dummy text. This is dummy text. This is dummy text. This is dummy text.

# 1.4 Equations

Example of a single-line equation 1.

$$a = b$$
 ((Single Equation Numbered)) ...(1)

Equations can also be multiple lines as shown in Equations 2 and 3.

$$c = 0$$
 ((Multiple Lines, Numbered)) ...(2)

$$ac = 0$$
 ((Multiple Lines, Numbered)) ...(3)

Unnumbered display equations single line:

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

Unnumbered display equations multiple lines:

c = 0 ((Multiple Lines, Unnumbered))

ac = 0 ((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. 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. 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. 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. 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 i

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. 2.

This is dummy text. This



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 <sup>a</sup>	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

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

Figure 3 shows the dummy text. This is dummy t

This is dummy text. This

This is an example of theorem.

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

$$AB = \sum_{i} a_{i}b_{i}$$

<sup>&</sup>lt;sup>a</sup>This is an example of first numbered tablenote

<sup>&</sup>lt;sup>b</sup>This is an example of second numbered tablenote

<sup>&</sup>lt;sup>‡</sup> This is an example of second footnote.



Figure 3. 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

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

<sup>&</sup>lt;sup>a)</sup>First Table Footnote; <sup>b)</sup> Second Table Footnote.

# 2.0 FIRST-ORDER HEADING

# **Forth-Order Heading**

This is an example of Lemma

**Lemma 1.** 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.

$$AB = \sum_{i} a_i b_i$$

**Theorem 3** (Math Detail). This is an example of enunciation. This is an example of enunciation.

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.

$$AB = \sum_{i} a_i b_i$$

This is dummy text. This is dummy text.

# **ACKNOWLEDGEMENTS**

This is an example of acknowledgement (1,2). This is an example of acknowledgement. This is an example of acknowledgement.

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# **APPENDIX**

# 3.0 FIRST ORDER HEADING

Table 3

Table caption table caption

		Span Col 3&4		Span Col 5& 6	
Column One	Column Two	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.