Basic Report Writing: format

(V20200714)

Abstract

Shape memory materials (SMMs) are featured by the ability to recover their original shape from a significant and seemingly plastic deformation upon a particular stimulus is applied1. This is known as the shape memory effect (SME). Super-elasticity (in alloys) or visco-elasticity (in polymers) is also commonly observed if a SMM is deformed at the present of the stimulus. The SME can be utilized in many fields, from aerospace engineering (e.g., in deployable structures and morphing wings) to medical devices (e.g., in stents and filters).

Alignment of both right and left sides

Content

- **Page number**

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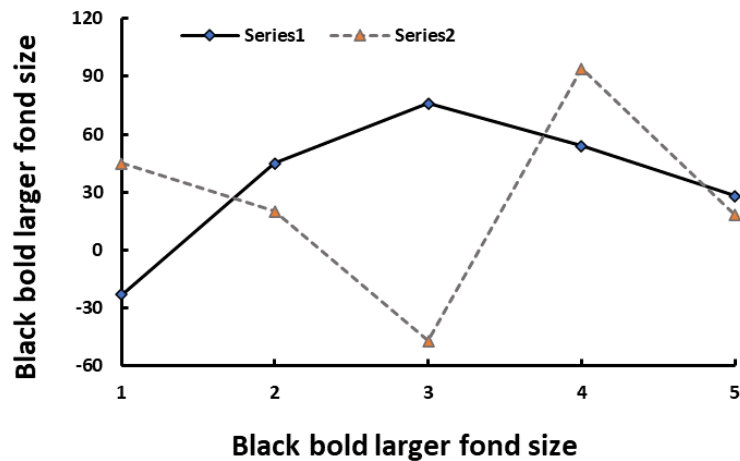
Chapter 1, page No. 1.

Before that (abstract, acknowledgements, content, list of figures, list of tables, ...) using i, ii, iii.
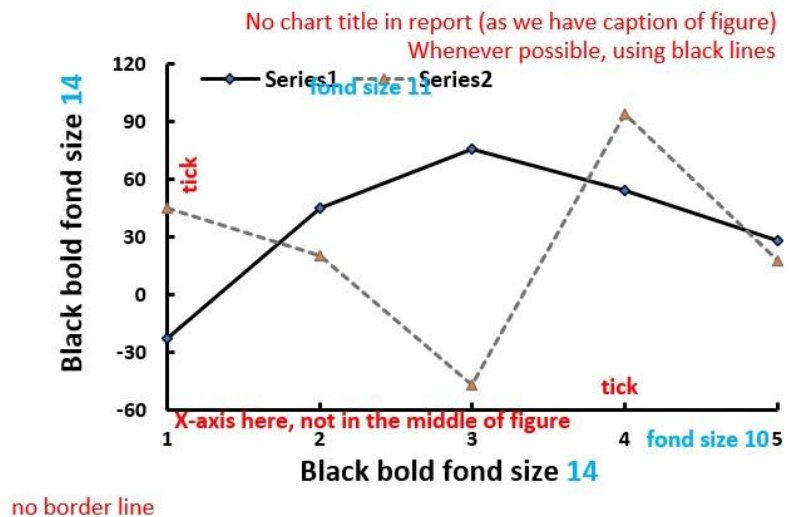
Chapter 1

Short term must be defined first. Shape memory effect (SME) refers to …

1.1 Figures

Refer to Figure 1(a) for the format of a proper plot. Some important points are highlighted in Figure 1(b). **No border for figures.**

(a)

(b)

Figure 1 Format of figure (a) and important points as highlighted in (b).

Fill in excessive blank space whenever possible. Start a new page only for a new chapter.

1.2 Tables

Title of table is always atop the table. Refer to Table 1.

Table 1 Blank table

1.3 Equations

Every equation must have a number.

$$a = b$$

(1) or (1.1)

Every symbol used must be defined.

1.4 Remarks

Every figure/table must be referred in the maintext.

Do not use "figure/table below or above figure/table".

Number[space]Unit: 20 Kg, 100 ml; not 20Kg, 100ml.

10 ºC (superscrip o C)

Chapter 2 Start a new page

2.1

$$a = sb \qquad\qquad (2) \text{ or } (2.1)$$

2.2

2.3

References

[1] Huang W.M., Ding Z., Wang C.C., Wei J., Zhao Y., Purnawali H., *Shape memory materials.* Materials Today, 2010. **13**(7-8), p. 54-61.

[2] Huang W.M., Yang B., and Fu Y.Q., Polyurethane shape memory polymers. 2011, New York, USA: CRC Press.

[3] Chen L., Design of shape memory shoes for comfort fitting, FYP report, 2018, Nanyang Technological University, Singapore.

- **Format**

Journal paper [1]

Names of authors, title of paper, title, journal, year, issue/no, page number.

Book [2]

Names of authors, book name, year, (location of publisher), publisher.

FYP report [3]

Name, title, FYP report or PhD Dissertation or MEng Thesis or MSci Thesis, Year, Nayang Technological University, Singapore.

Every reference must be cited in the maintext.

You may use footnote in the maintext as additional.

Appendix A

Figure A1 Let's go

Table A1 Where are we?

$$a = sab \hspace{4cm} \text{(3) or (A.1)}$$

Appendix B

Figure B1 Additional information

Table B1 New data

$$a = sfab \hspace{4cm} \text{(4) or (B.1)}$$