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(Subject)

Title

Topic

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Contents

1 Example	2
1.1 Image	2
1.2 Math	2
1.3 Table	3
1.4 External PDF	3
2 Acknowledgment	5

1 Example

1.1 Image

An example of single figure display is in figure 1, and an example of multiple figure is displayed in figure 2, which you can also refer them individually as 2a, 2b, and 2c.

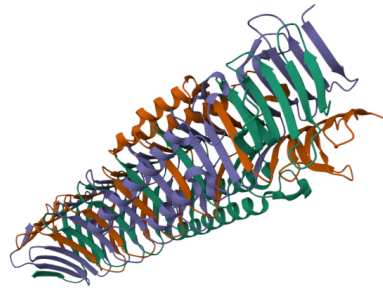


Figure 1: This is an example of a single image, and an example of citation[1]



(a)



(b)



(c)

Figure 2: This is an example of multi-figure layout

1.2 Math

In latex, equation, align, and gather are the three most commonly used environments of math equations.

The `equation` environment is often used for single equations:

$$E = mc^2 \tag{1}$$

The `align` environment is used for multiple equations with alignment:

$$\begin{aligned} f(x) &= x^T x - x^T z_2 - z_2^T x + z_2^T z_2 - x^T x + x^T z_1 + z_1^T x - z_1^T z_1 \\ &= 2z_1^T x - 2z_2^T x + \|z_2\|^2 - \|z_1\|^2 \end{aligned} \tag{2}$$

Equations (2) demonstrate the alignment of multiple equations, and you may also notice that "notag" can silence the automatically produced tag.

The `gather` environment is used for multiple equations without alignment:

$$p = q + r \tag{3}$$

$$s = t + u + v \tag{4}$$

$$w = x + y + z \tag{5}$$

Equations (5) show multiple equations without alignment.

1.3 Table

An example of basic table is as follows:

Var \ Obs	Var A	Var B	Var C
Obs A	1	2	3
Obs B	1	2	3
Obs C	1	2	3

If you prefer three line table, you can use the package "booktabs" to do the job. An example is as follows:

Obs	Var A	Var B	Var C
Obs A	1	2	3
Obs B	1	2	3
Obs C	1	2	3

1.4 External PDF

You can display external PDF in the report.

Lorem Ipsum

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2 Acknowledgment

I want to express my sincere gratitude to the creator of "University of Melbourne (FEIT) - Report template" for some of my codes and the overall design are based on his work.

References

- [1] C Rapisarda and R. Fronzes. "The VgrG spike from the Type 6 secretion system". In: *pdb* (Apr. 2020). DOI: 10.2210/pdb6sk0/pdb. (Visited on 09/09/2024).