RevTex example

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I. INTRODUCTION

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II.   TABLES AND FIGURES

You can force tables and figures to be in specific areas using the `[h]` option but generally, I think it's best to let the compiler find where it should go. Other options include `[t]` for top of the page, or `[b]` for bottom of the page. Usually in journals like APS, figures go at the top. You can also just move it about in the text to move the figure/table onto another page. But make sure it's close or directly after being referred to in the text.

Col 1 (N m)	Col 2	Col 3	Col 4
1	2	3	4
5	6	7	8

TABLE I: Caption

Left	Centered	Decimal	Right
1	2	3.001	4
10	20	30	40
100	200	300.0	400

TABLE II: An example table

III.   OTHER PACKAGES

A.   SI units

An example use of units $52.3\,\mathrm{N} = 52.3\,\mathrm{kg\,m^{-2}}$.

B.   physics package

$$\int_{-\infty}^{\infty} e^{-x^2}\,dx = \sqrt{\pi} \tag{1}$$

$$\int_{-\infty}^{\infty} e^{-x^2}\,\mathrm{d}x = \sqrt{\pi} \tag{2}$$

$$\frac{\partial^2 u}{\partial x^2} = \frac{\partial^2 u}{\partial x^2} \tag{3}$$

$$\gamma \tag{4}$$

$$\frac{d^2 u}{\partial x^2} = \frac{\partial^2 u}{\partial x^2} \tag{5}$$

IV.   REFERENCING TEXT

This is a reference to Section I. This is a neater reference to section I or Section I. It also works for equations such as eq. (1), as opposed to Eq. (1). However, if you directly mention that the thing you're referring to is an equation, ODE, PDE etc, then it's probably better practice to just give the equation number. For example, substituting eq. (1) into the PDE (1) and simplifying, we obtain... You can also reference figures like fig. 1 or by sub figure: fig. 2a.

A.   Citations

I recommend you use `natbib` to do referencing, this works well with the `revtex` documentclass which also comes with a bibliography style. In this 'vancouver' referencing style, you only refer using a number so the only command you really need is `cite`. For instance, this is a nod to a great mathematician [1]. Citing multiple sources at the same time just requires separating each key with commas [1, 2].

Give your entries in the bibliography useful keys and try to keep to a convention, e.g. `<lead author><date><first word of title>`. Reference managers (and google scholar) will automatically do things like this. Wrapping text with { } brackets ensures words stay capitalized.

[1] Alan Mathison Turing. The chemical basis of morphogenesis. *Bulletin of Mathematical Biology*, 52:153–197, 1990.

[2] J.W. Cooley, P.A.W. Lewis, and P.D. Welch. Historical notes on the fast Fourier transform. *Proceedings of the IEEE*, 55(10):1675–1677, 1967. doi: 10.1109/PROC.1967.5959.
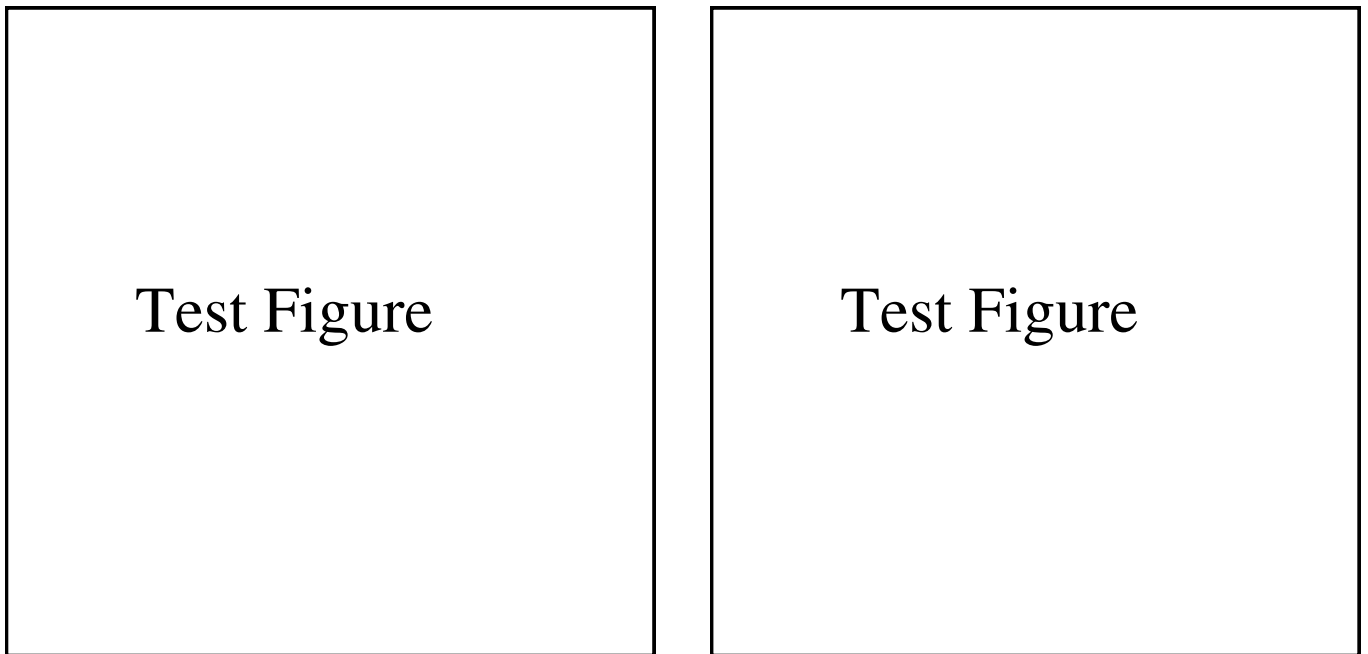
Test Figure

Test Figure

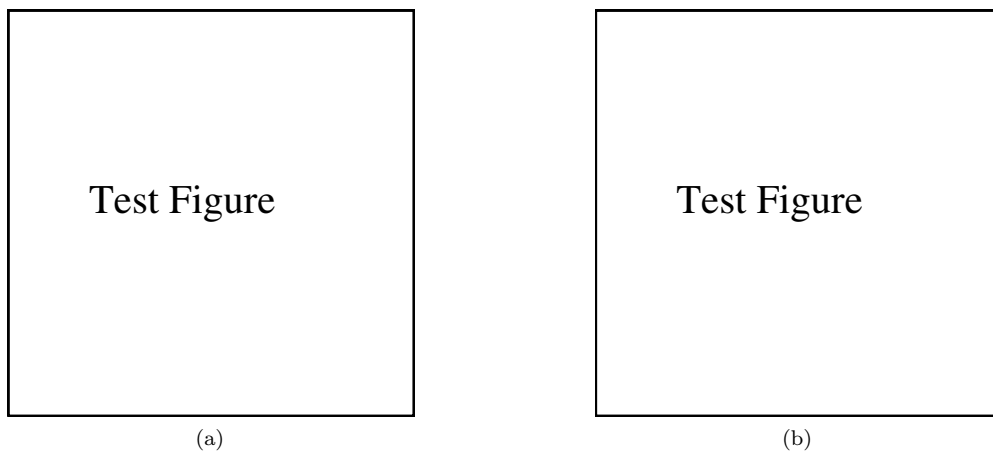FIG. 1: An example of sub-figures

Test Figure

Test Figure

(a)

(b)

FIG. 2: A graphical depiction of the setup

Appendix A: First appendix

The numbering of equations and sections changes after the appendix

$$e^{i\pi} \equiv -1. \tag{A1}$$