# My Example Manuscript is Great

**Abstract**

This is an example manuscript. It showcases a few common latex features so that I can show how latexdiff ~~interacts~~ and the powershell scripts interact with them.

*Keywords:* a, b, c, d, e

## 1. Introduction

This is an example manuscript.

The structure of this article is as follows: Section 2 showcases the use of SSSSR sections. Section 3 shows how to display many different types of content.

## 2. Displaying Sections

This section has many subsections, which I can refer to by their labels. e.g. Section 2, Section 2.1, and Section 2.2.

Labeling sections is optional. Labels may be anything, but must be unique (hence my naming convention).

### *2.1. My Subsection ~~A~~*

Example text.

### *2.2. My Other Subsection ~~B~~*

Example text.

## 3. Displaying Different Types of Content

### *3.1. Citations*

A citation looks like this [1].

This is a citation [2], and this is another ~~[1,2,3,4]~~ [1, 2, 3, 4] .

### *3.2. Lists*

An example list is as follows:

1. This is a list
2. This is a list
3. This is a list

Abbreviations: section (sec), sub-section (ssec)

### *3.3. Figures*

This is a figure reference: Fig. 1, and this is another Fig. 2.

If you have mathematical symbols in your figures and you're using inkscape, you can input latex maths into the figure with: Extensions > Render > Formula (pdflatex).

### *3.4. Equations*

This is an equation reference: (1).

$$a = ~~3~~2 \tag{1}$$

where $a$ is a variable.

### *3.5. Tables*

This is a table reference: Table 1.

This is a fairly basic table. See threeparttable if you want table notes (footnotes for tables).

| | | Measurement error | |
|---|---|---|---|
| Measurement | Unit | Mean | Standard deviation |
| $x_n$ | mm | ~~5.2~~ 3.5 | ~~8.6~~ 7.2 |
| $y_n$ | mm | ~~3.5~~ 5.1 | 3.0 |
| $z_n$ | mm | -6.5 | 9.1 |
| $\theta_q$ | degrees | 1.6° | 2.9° |

Table 1: Average measurement error over all ~~99 successful~~ 200 measurements. $(x_n, y_n, z_n)$ are defined somewhere else. $\theta_q$ is the rotational misalignment as a quaternion angular distance.

## 4. Conclusions and Future Work

Thus ends the example manuscript.

~~I can't be bothered to recommend future work~~ Recommend future work is to add the function of the powershell scripts into latexdiff itself .

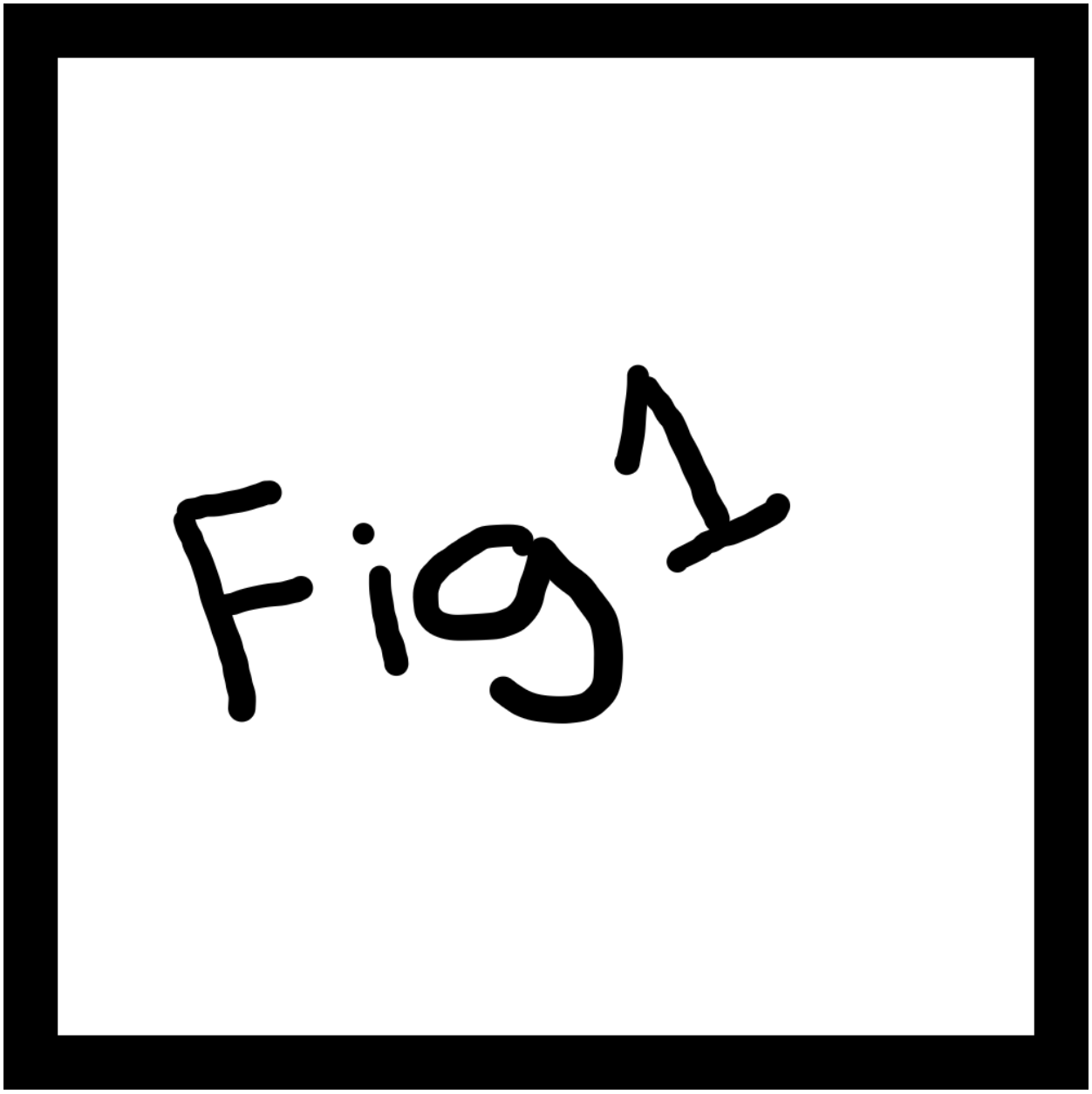


Figure 1: Embed your graphics as pdf. Lovely vector graphics! If I see any jpeg text I am sad.

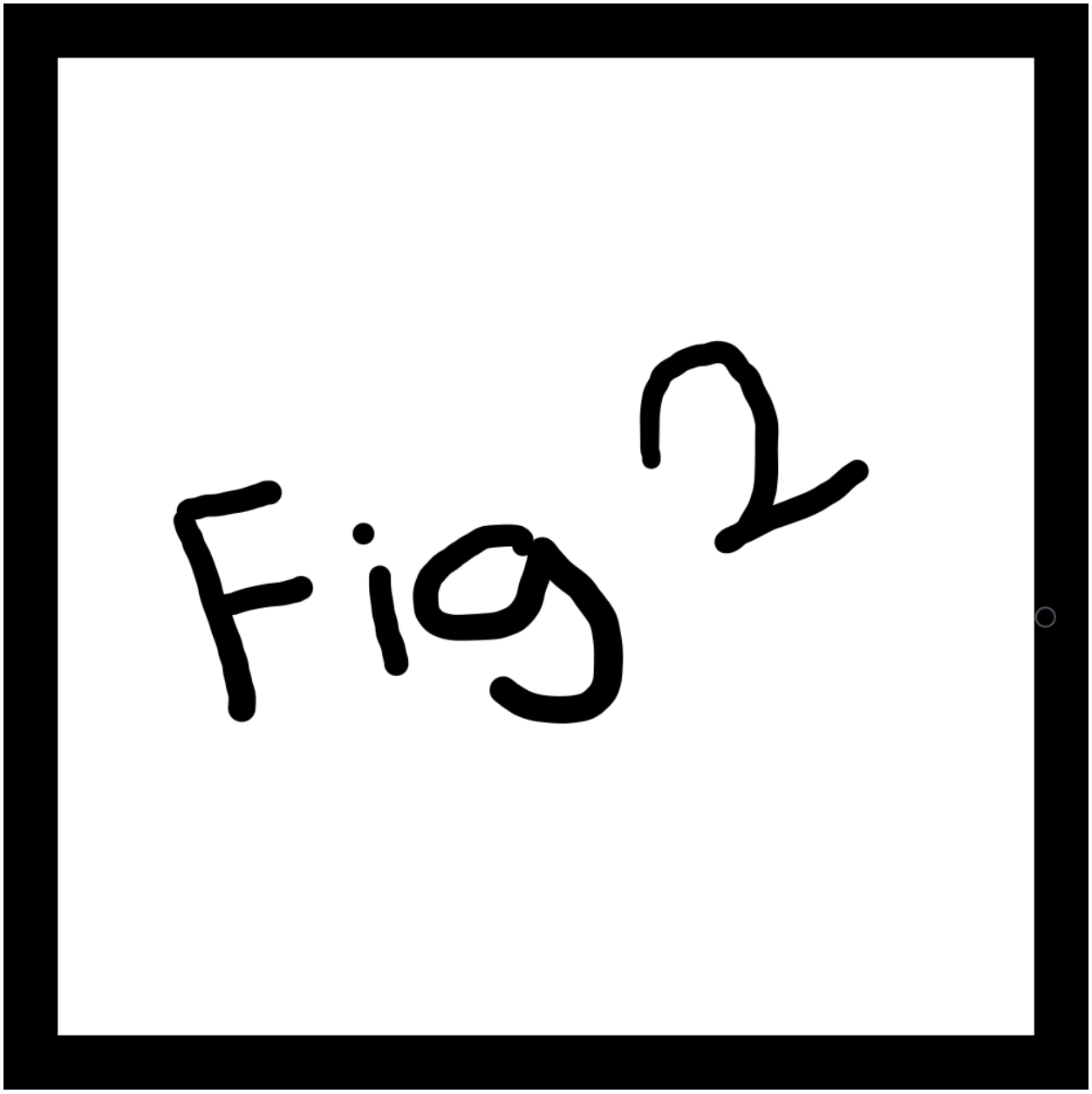


Figure 2: This is a caption.

## References


[1] K. He, B. Johns, E. Abdi, M. Arashpour, Camera view from crane payload: Video stabilization, in: Australasian Conference on Robotics and Automation, ACRA, 2021.
URL https://ssl.linklings.net/conferences/acra/acra2021_proceedings/views/includes/files/pap104s2-file1.pdf

[2] B. Johns, M. Arashpour, E. Abdi, Curtain wall installation for high-rise buildings: Critical review of current automation solutions and opportunities, in: Proceedings of the 37th International Symposium on Automation and Robotics in Construction (ISARC), 2020, pp. 393–400. doi:10.22260/ISARC2020/0056.

[3] B. Johns, E. Abdi, M. Arashpour, Dynamical modelling of boom tower crane rigging systems: model selection for construction, Archives of Civil and Mechanical Engineering 23 (3) (2023) 162. doi:10.1007/s43452-023-00702-x.

[4] B. Johns, E. Abdi, M. Arashpour, Crane payload localisation for curtain wall installation: A markerless computer vision approach, Measurement (2023) 113459(In press). doi:10.1016/j.measurement.2023.113459.