

# My Thesis Title

John Smith

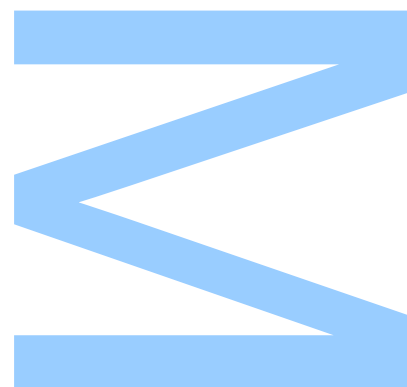
Mestrado Integrado em Engenharia Física

Departamento de Física e Astronomia

2018

**Orientador**

Prof. Dra. Marie Curie, Faculdade de Ciências



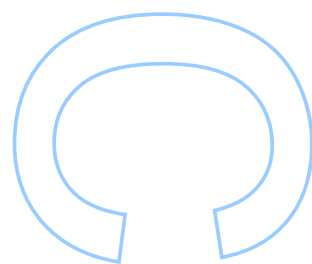
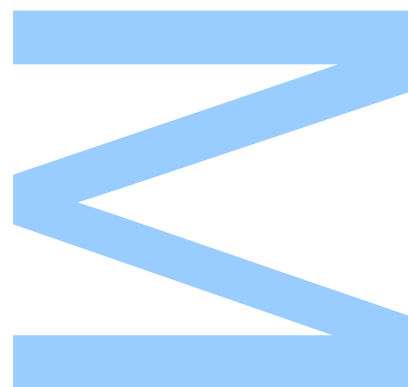




Todas as correções determinadas  
pelo júri, e só essas, foram efetuadas.

O Presidente do Júri,

Porto, \_\_\_\_/\_\_\_\_/\_\_\_\_





UNIVERSIDADE DO PORTO

MASTERS THESIS

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# MyThesis Title

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*Author:*

MyName MYLASTNAME

*Supervisor:*

FirstName LASTNAME

*A thesis submitted in fulfilment of the requirements  
for the degree of MSc. Engineering Physics*

*at the*

Faculdade de Ciências da Universidade do Porto  
Departamento de Física e Astronomia

July 3, 2019



*" I am and always will be the optimist, the hoper of far-flung hopes and the dreamer of improbable dreams "*

Matt Smith as *The Doctor*, written by Matthew Graham





# *Acknowledgements*

Acknowledge ALL the people!



UNIVERSIDADE DO PORTO

# *Abstract*

Faculdade de Ciências da Universidade do Porto

Departamento de Física e Astronomia

MSc. Engineering Physics

**MyThesis Title**

by [MyName MYLASTNAME](#)

This thesis is about something, I guess....



UNIVERSIDADE DO PORTO

## *Resumo*

Faculdade de Ciências da Universidade do Porto

Departamento de Física e Astronomia

Mestrado Integrado em Engenharia Física

**Titulo da Tese em Português**

por [MyName](#) [MYLASTNAME](#)

Este tese é sobre alguma coisa



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# Chapter 1

## Chapter Title Here

Welcome to the tutorial on how to use this thesis model. This is not to teach you how to use  $\text{\LaTeX}$ . For that read a tutorial. But this aims to teach you how to do the basic stuff you will need in order to produce a decent document.

### 1.1 Citations

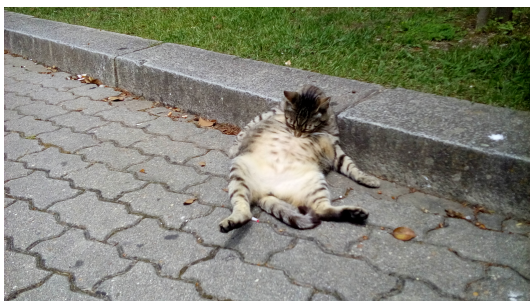
You can add extra info to you references, like [1, chapter 3]

### 1.2 Figures

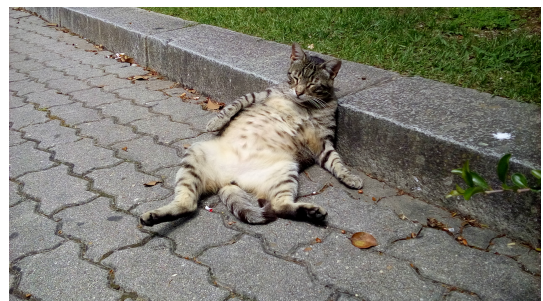
Let us start with a figure with two subfigures like in 1.1.

Or two figures side by side like 1.2 and 1.3.

Or a figure with some text on the side, like 1.4, or even a Figure wrapped around in text, as seen on Figure 1.5



(A) FCUP's fat cat doing what cats do.



(B) FCUP's fat cat resting.

FIGURE 1.1: FCUP's fat cat.



FIGURE 1.2: FCUP's fat cat doing what cats do.

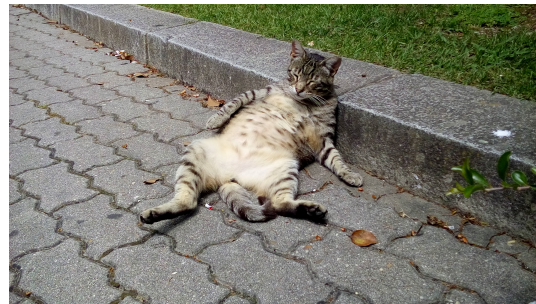


FIGURE 1.3: FCUP's fat cat.

And here we have some text related to this image. The text can occupy the same space as the image would normally do...



FIGURE 1.4: FCUP's fat cat.

This is where the table goes with text wrapping around it. You may embed tabular environment inside wraptable environment and customize as you like:

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante.

Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec



FIGURE 1.5: FCUP's fat cat.

nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

### 1.3 Math

The following equation uses a custom mathematical operator defined in line 166 of the stock main.tex:

$$\begin{aligned} \text{meshgrid } \mathbf{x}_1 &= \begin{bmatrix} a_1 & b_1 & c_1 \\ a_1 & b_1 & c_1 \end{bmatrix} \\ \text{meshgrid } \mathbf{x}_2 &= \begin{bmatrix} a_2 & a_2 & a_2 \\ b_2 & b_2 & b_2 \end{bmatrix} \end{aligned} \quad (1.1)$$

The following equation uses the custom ceil and floor operator defined in line 168 of the stock main.tex:

$$x = \left\lfloor \frac{y}{2} \right\rfloor + \left\lceil \frac{w}{2} \right\rceil \quad (1.2)$$

And this is an equation with multiple lines:

$$\begin{aligned} I_0 &= I' + I'' \cos(\Psi) \\ I_{\pi/2} &= -I'' \sin(\Psi) \\ I_{\pi} &= I' - I'' \cos(\Psi) \\ I_{3\pi/2} &= I'' \sin(\Psi) \end{aligned} \quad (1.3)$$

And this is some random Python code:

```
1 def Hello():
    """
3     Meaningful docstring with in-depth explanation of this function
```

```
    """  
5     print('Hello World !!')  
  
7 if __name__ == '__main__':  
    Hello()
```

## **Appendix A**

### **Appendix Title Here**

Write your Appendix content here.





# Bibliography

[1] N. Jr, "My article," 2006.