



**Departamento de  
Física de la  
Materia Condensada  
Universidad** Zaragoza

# Report workbook

**John Doe**

John Doe University

December 2020

# Contents

---

	Page
<i>List of Equations</i>	<i>II</i>
<i>Glossary</i>	<i>III</i>
<i>Declaration</i>	<i>IV</i>
<i>Abstract</i>	<i>V</i>
<b>1 Introduction</b>	<b>1</b>
<b>2 Another chapter</b>	<b>2</b>
2.1 Section here . . . . .	3
<i>Epilogue</i>	<i>4</i>
<i>Bibliography</i>	<i>5</i>
<i>List of Publications</i>	<i>6</i>

# List of Equations

---

	Page
2.1 Theoretical Kittel equation expanded for a Permalloy thin-film for X-axe . . . . .	3

# Glossary

---

**Glossary item 1** Glossary item 1 [1](#)

**Glossary item 2** Glossary item 2 [1](#)

## **Declaration**

I hereby declare that the work presented in this thesis is entirely my own and that I did not use any other sources and references than the listed ones. I have marked all direct or indirect statements from other sources contained therein as quotations. Neither this work nor significant parts of it were part of another examination procedure. I have not published this work in whole or in part before. The electronic copy is consistent with all submitted copies.

---

Zaragoza (Aragón), December 2020

# **Abstract**

---

This is justified text.

# 1

## Introduction

---

This is an introduction. **this is bold** *this is italic text*

This is [Glossary item 1](#) and this is [Glossary item 2](#).

Citation here[\[1\]](#). Footnote url here<sup>1</sup>.

Another footnote simple <sup>2</sup>

---

<sup>1</sup><http://google.com>

<sup>2</sup>this is a footnote

# 2

## Another chapter

---

This is a chapter.

Second page.

Footnote url here with header<sup>3</sup>.

$$f = 28 \cdot \sqrt{(B_{DC} + (N_y - N_x) \cdot 0.86 \cdot 10^6 \cdot 4\pi \cdot 10^{-7}) \cdot (B_{DC} + (N_z - N_x) \cdot 0.86 \cdot 10^6) \cdot 4\pi \cdot 10^{-7}}$$

**Equation 2.1:** Theoretical Kittel equation expanded for a Permalloy thin-film for X-axe

## 2.1 Section here

This is a new section.

---

<sup>3</sup><http://google.com>

# Epilogue

---

This ia an epilogue.

# Bibliography

---

- [1] Y. Li, T. Polakovic, Y.-L. Wang, J. Xu, S. Lendinez, Z. Zhang, J. Ding, T. Khaire, H. Saglam, R. Divan, J. Pearson, W.-K. Kwok, Z. Xiao, V. Novosad, A. Hoffmann, and W. Zhang, “Strong coupling between magnons and microwave photons in on-chip ferromagnet-superconductor thin-film devices.”, *Physical review letters*, vol. 123, p. 107701, Sept. 2019.

# List of Publications

---

- [1] F. Luis, P. J. Alonso, O. Roubeau, V. Velasco, D. Zueco, D. Aguilera, L. A. Barrios, and G. Aromí, “A dissymmetric  $[gd_2]$  coordination molecular dimer hosting six addressable spin qubits”, 2020.
- [2] S. Savasta, O. D. Stefano, A. Settineri, D. Zueco, S. Hughes, and F. Nori, “Gauge principle and gauge invariance in quantum two-level systems”, 2020.