

ESCUELA TÉCNICA SUPERIOR DE INGENIEROS
INDUSTRIALES Y DE TELECOMUNICACIÓN

UNIVERSIDAD DE CANTABRIA



Trabajo Fin de Máster

**TÍTULO EN LETRA TIPO ARIAL ROUNDED
TAMAÑO 20**
(Título en inglés)

Para acceder al Título de

**MÁSTER UNIVERSITARIO EN INVESTIGACIÓN EN
INGENIERÍA INDUSTRIAL**

Autor: Arial Ronded Tamaño 14

Mes - Año

Resumen en castellano

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Palabras clave

Lorem, Ipsum, Dolor, Sit

Abstract

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Keywords

vspace0.5cm Lorem, Ipsum, Dolor

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Agradecimientos

Agradecimientos..... A todos los que me han enseñado

Dedicatoria

Texto... Dedicado a **Donald Knuth** y **Leslie Lamport** por desarrollar Tex y LaTeX.

Capítulo 1

Chapter Title

In this chapter, there will be examples of various features you may want to incorporate into your document. Here's an example of a figure inserted into the text:

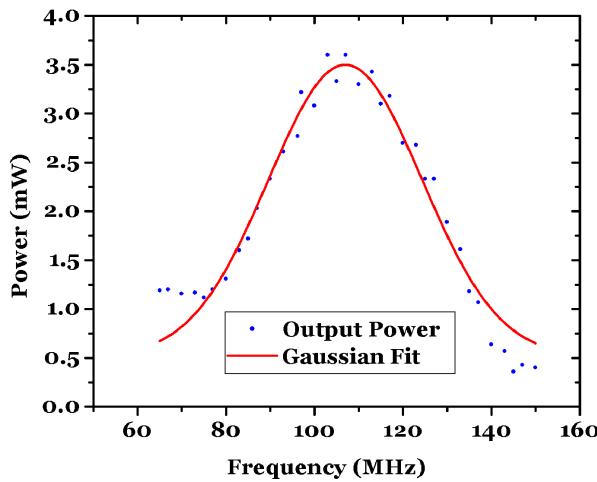


Figura 1.1: Full caption to appear below the Figure

Here's another example of a figure inserted into the text:

Here's another example of a figure inserted into the text:

Final example of two figures inserted into the text:

Here is an example of a Table:

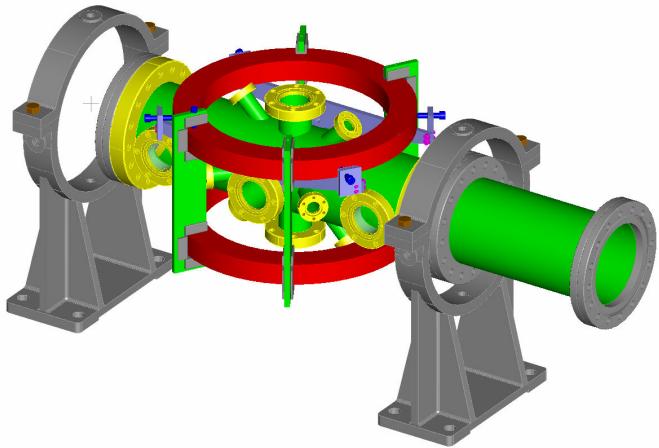


Figura 1.2: Chamber figure

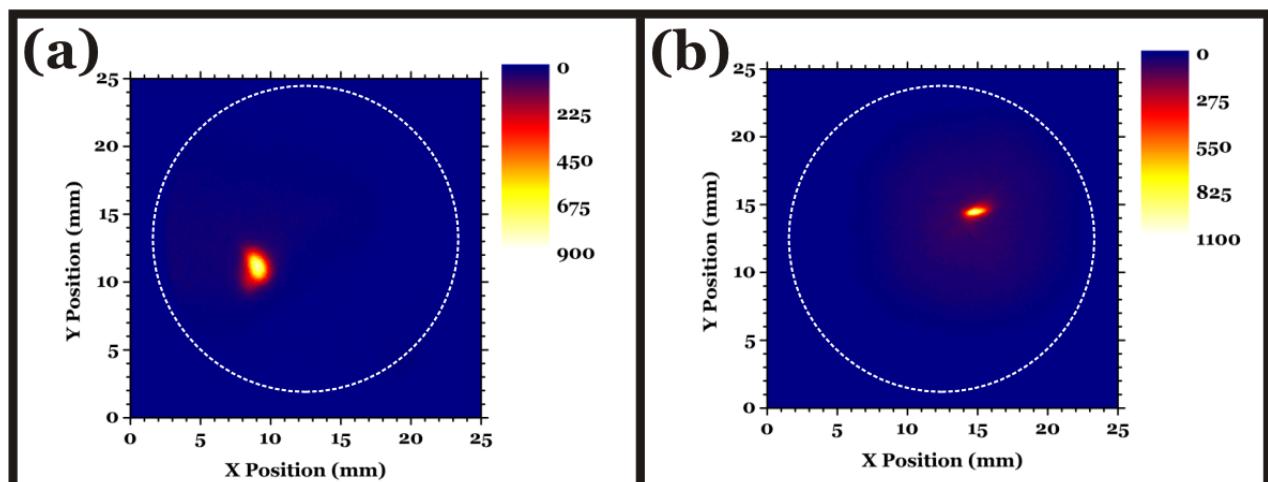


Figura 1.3: Detectors figure

Column 1 Heading	Column 2 Heading	Column 3 Heading
Col 1 Row 1	Col 2 Row 1	Col 3 Row 1
Col 1 Row 2	Col 2 Row 2	Col 3 Row 2
Col 1 Row 3	Col 2 Row 3	Col 3 Row 3

Tabla 1.1: Caption to appear below the table

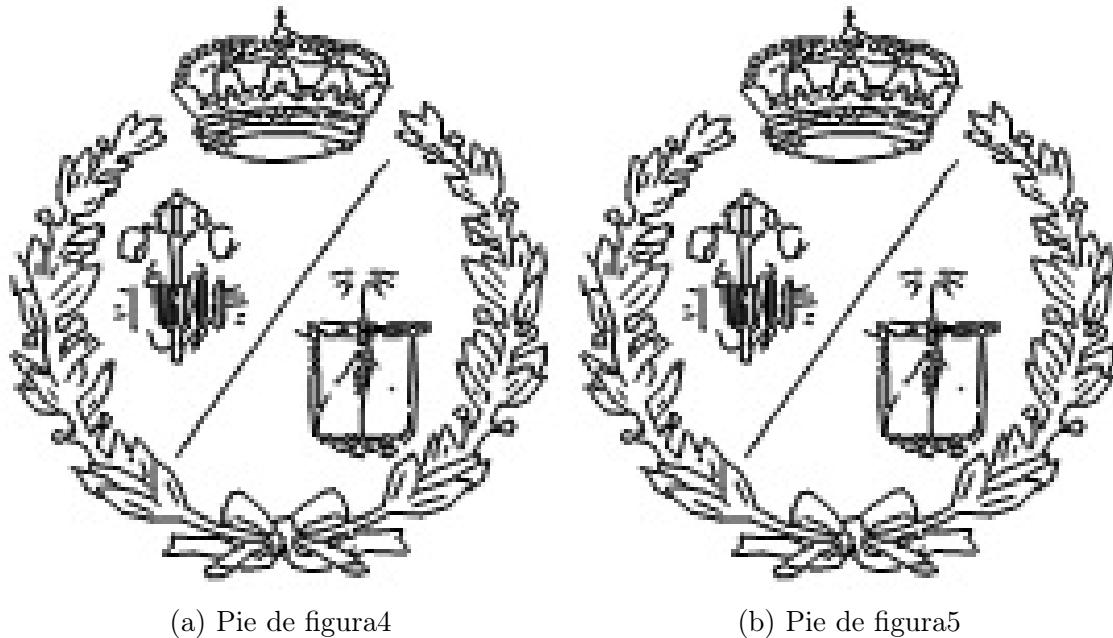


Figura 1.4: Pie general

1.1. Making References to Figures or Tables

In this paragraph, we want to refer to Fig. 1.1 mentioned at the beginning of this chapter. We also refer to the Table 1.1.

1.2. Making a Reference to a Chapter Subsection

In this section, we refer back to text mentioned in Section 1.1 on page 3. We want to refer to Fig. 1.2 of this chapter.

1.3. Making a Citation

We want to refer to Fig. 1.3. And we want to refer to Fig. 1.3. We can see in Fig. 1.4a and Fig. 1.4b other details.

Here's an example of a citation to a single work. [4] It's also possible to make multiple citations. [2, 3]. Another example: [1]

Definición de bibliografía directamente en LaTeX:

Bibliografía

- [1] Adán Pérez, *Curso de LaTeX*, 2018.
- [2] Fulano Pérez, *Otro Curso de LaTeX*, 2017.

Capítulo 2

This is Chapter 2

In this chapter, I want to refer to Chapter 1, so I'm going to use the slash ref command along with the "makerefERENCE" label which I assigned back at the beginning of Chapter 1.

2.1. Page Number References

I should also be able to refer to a specific page number, such as page 1. Of course, I'll need to have a slash label command and a unique name in each section that I want to be able to refer to later in the text.

2.2. Referring to Sections Within Chapter 1

Now, I'm going to refer to different sections within Chapter 1. I gave an example of a figure in section 1.1 and an example of a table in section 1.2. In section 1.3, we looked at examples of bibliographic citations.

2.3. Equations

Now, the equations world:

$$e^{i\pi} + 1 = 0 \quad (2.1)$$

Cite the equation: Como vemos en la Ecuación 2.1.

More equations:

$$\Delta U = Q - W \quad (2.2)$$

$$\delta S = T dS \quad (2.3)$$

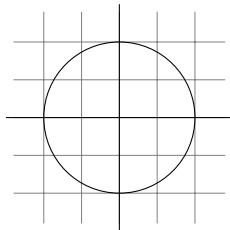
$$S = k_B \ln \Omega \quad (2.4)$$

Matrixes:

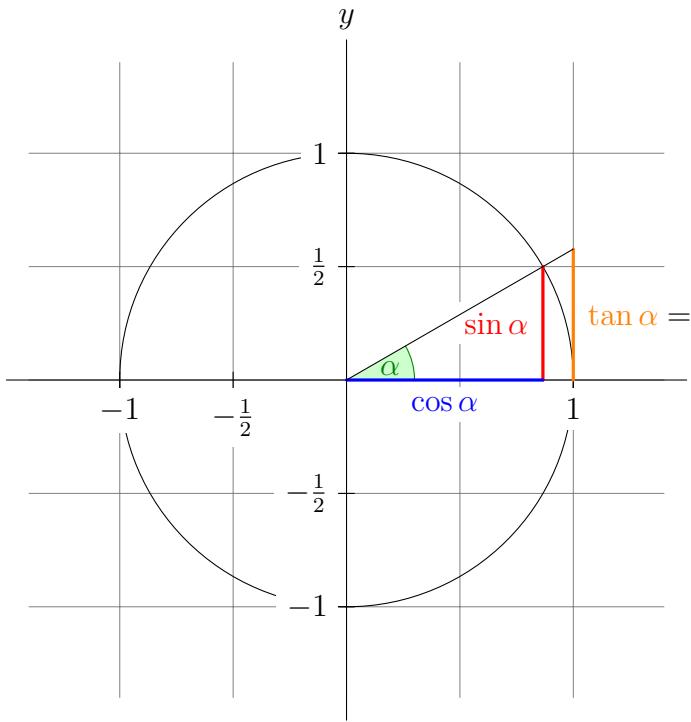
$$\begin{matrix} a & b & c \\ d & e & f \\ g & h & i \end{matrix} \quad (2.5)$$

And matrix with []:

$$\begin{bmatrix} a & b & c \\ d & e & f \\ g & h & i \end{bmatrix} \quad (2.6)$$



Examples of TikZ



The angle α is 30° in the example ($\pi/6$ in radians). The sine of α , which is the height of the red line, is

$$\sin \alpha = 1/2.$$

By the Theorem of Pythagoras
...

Capítulo 3

This is Chapter 3

Here are more examples of referring to previous sections. In Chapter 1 there were several sections, including section 1.1, section 1.2, and section 1.3.

Likewise, in Chapter 2, there are sections 2.1 and 2.3.

Insertion code example:

```
for n in range (10):  
    if n %2:  
        print n
```

Insert another code example:

```
# Program to generate a random number between 0 and 9  
# importing the random module  
import random  
  
print(random.randint(0,9))
```

Bibliografía

- [1] B. H. Bransden and C. J. Joachain. *Physics of Atoms and Molecules*, volume 2nd Ed. New York: Prentice-Hall, 2003.
- [2] M. M. T. Loy. Observation of population inversion by optical adiabatic rapid passage. *Phys. Rev. Lett.*, 32:814–817, 1974.
- [3] W. D. Phillips, J. V. Prodan, and H. J. Metcalf. Laser cooling and electromagnetic trapping of neutral atoms. *J. Opt. Soc. Am. B*, 2:1751–1767, 1985.
- [4] J. Weiner, V. S. Bagnato, S. Zilio, and P. S. Julienne. Experiments and theory in cold and ultracold collisions. *Rev. Mod. Phys.*, 71:1–85, 1999.

Apéndice A

Title for This Appendix

Apéndice B

Title for This Appendix