

# GRAPHIC SHADERS FOR SCIENTIFIC VISUALIZATION

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David Fernández Alcoba

# Resumen en castellano

Breve resumen del trabajo.

## Palabras clave

Lista de palabras clave

# Abstract

English version of the abstract

## Keywords

List of keywords

# Índice general

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# Agradecimientos

Agradecimientos.....

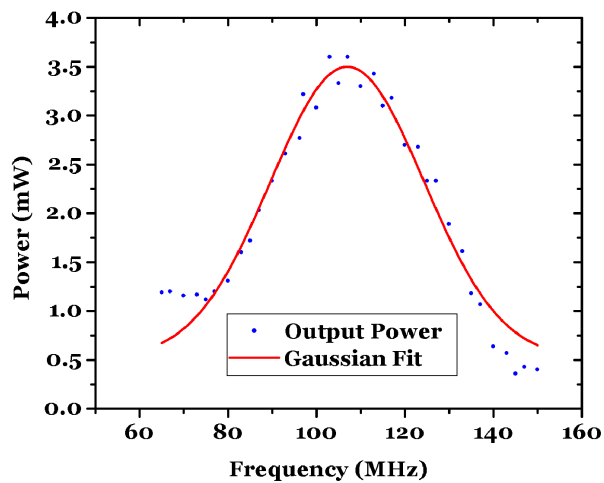
# Dedicatoria

Texto...

# 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 is an example of a Table:

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

**Cuadro 1.1:** *Caption to appear below the table*



## 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 2.

## 1.3. Making a Citation

Here's an example of a citation to a single work. Weiner et al.<sup>3</sup> It's also possible to make multiple citations. Loy<sup>1</sup>, Phillips et al.<sup>2</sup>

# 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.

# 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 2.2.

# Bibliografía

- [1] M. M. T. Loy. Observation population inversion by optical adiabatic rapid passage. *Phys. Rev. Lett.*, 32:814–817, 1974.
- [2] 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.
- [3] 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