Título de la tesis

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Esta tesis se presenta para la obtención del título de
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Me gustaría dedicar esta tesis a . . .

Agradecimientos

Y me gustaría reconocer...

Resumen

Aquí es donde escribes tu resumen...

Índice general

Índice de figuras

Índice de tablas

Nomenclatura

Símbolos Romanos

F complex function

Símbolos Griegos

γ a simply closed curve on a complex plane

ι unit imaginary number $\sqrt{-1}$

π $\simeq 3.14\ldots$

Superíndices

j superscript index

Subíndices

0   subscript index

crit   Critical state

Otros Símbolos

$\oint_\gamma$ integration around a curve γ

Acrónimos/Abreviaciones

BEM   Boundary Element Method

CIF   Cauchy's Integral Formula

DEM   Discrete Element Method

DKT   Draft Kiss Tumble

FEM   Finite Element Method

FVM   Finite Volume Method

LBM   Lattice Boltzmann Method

MPM   Material Point Method

PCI   Peripheral Component Interconnect

PFEM Particle Finite Element Method

PPC   Particles per cell

USL   Update Stress Last

Capítulo 1

Introducción

1.1. Objetivo

Poner contenido

1.1.1. Ejemplo de índice

Para resolver varios problemas de física, puede ser ventajoso expresar cualquier función arbitraria uniforme por partes como una Serie de Fourier compuesta por múltiplos de funciones seno y coseno.

El índice alfabético solo se puede ver compilando la tesis con el archivo `compilar-tesis-windows.bat` ubicado en la carpeta de la tesis.

1.1.2. Ejemplo de símbolos y abreviaturas

$$CIF: \quad F_0^j(a) = \frac{1}{2\pi\imath} \oint_\gamma \frac{F_0^j(z)}{z-a} dz \tag{1.1}$$

La nomenclatura de símbolos y abreviaturas solo se puede ver compilando la tesis con el archivo `compilar-tesis-windows.bat` ubicado en la carpeta de la tesis.

1.1.3. Ejemplo de notas y cambios

Las notas y cambios solo se pueden ver con la opción "draft"de la tesis.

Ejemplo de nota por el autor.

Ejemplos de subrayado y nota con cambio de texto específico.

Ejemplo de resaltado 1: Ejemplo de resaltado 2: reen]Texto a resaltar en color verde

Ejemplo destacado 3:

Capítulo 2

Segundo capítulo

2.1. Reasonably long section title

Enumeration

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1. The first topic is dull

2. The second topic is duller

   a) The first subtopic is silly

   b) The second subtopic is stupid

3. The third topic is the dullest

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Itemize

- The first topic is dull

- The second topic is duller

  • The first subtopic is silly

  • The second subtopic is stupid

- The third topic is the dullest

Description

The first topic is dull

The second topic is duller

> **The first subtopic** is silly

> **The second subtopic** is stupid

The third topic is the dullest

2.2. Hidden section

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Subplots

I can cite Wall-E (see Fig. 2.1b) Figura 2.1c and Figura 2.1a Minions in despicable me (Fig. 2.1c) or I can cite the whole figure as Fig. 2.1
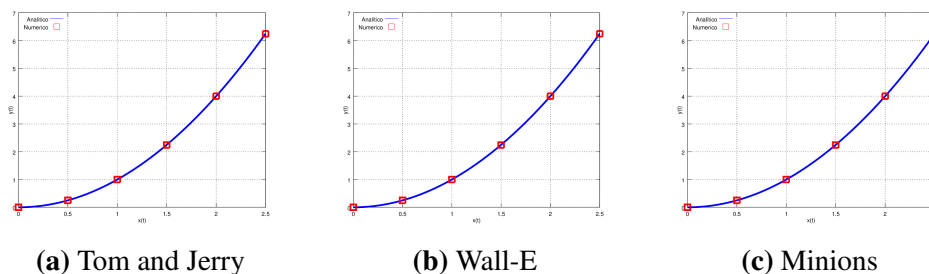

(a) Tom and Jerry   (b) Wall-E   (c) Minions

Figura 2.1 Best Animations

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[1]My footnote goes blah blah blah! …

Capítulo 3

Tercer capítulo

3.1. First section of the third chapter

And now I begin my third chapter here ...[1]

And now to cite some more people Ancey et al. (1996) y Read (1985)

3.1.1. First subsection in the first section

...and some more[2]

3.1.2. Second subsection in the first section

...and some more ...

First subsub section in the second subsection

...and some more in the first subsub section otherwise it all looks the same doesn't it? well we can add some text to it ...

3.1.3. Third subsection in the first section

...and some more ...

First subsub section in the third subsection

...and some more in the first subsub section otherwise it all looks the same doesn't it? well we can add some text to it and some more and some more and some more and some more and some more and some more and some more ...

---

[1]Otra nota al pie.

[2]Otra nota al pie.

Second subsub section in the third subsection

... and some more in the first subsub section otherwise it all looks the same doesn't it? well we can add some text to it ...

3.2. Second section of the third chapter

and here I write more ...

3.3. The layout of formal tables

This section has been modified from "Publication quality tables in LATEX*" by Simon Fear.

The layout of a table has been established over centuries of experience and should only be altered in extraordinary circumstances.

When formatting a table, remember two simple guidelines at all times:

1. Never, ever use vertical rules (lines).

2. Never use double rules.

These guidelines may seem extreme but I have never found a good argument in favour of breaking them. For example, if you feel that the information in the left half of a table is so different from that on the right that it needs to be separated by a vertical line, then you should use two tables instead. Not everyone follows the second guideline:

There are three further guidelines worth mentioning here as they are generally not known outside the circle of professional typesetters and subeditors:

3. Put the units in the column heading (not in the body of the table).

4. Always precede a decimal point by a digit; thus 0.1 *not* just .1.

5. Do not use 'ditto' signs or any other such convention to repeat a previous value. In many circumstances a blank will serve just as well. If it won't, then repeat the value.

A frequently seen mistake is to use '\begin{center}' ... '\end{center}' inside a figure or table environment. This center environment can cause additional vertical space. If you want to avoid that just use '\centering'

Tabla 3.1 A badly formatted table

	Species I		Species II	
Dental measurement	mean	SD	mean	SD
I1MD	6.23	0.91	5.2	0.7
I1LL	7.48	0.56	8.7	0.71
I2MD	3.99	0.63	4.22	0.54
I2LL	6.81	0.02	6.66	0.01
CMD	13.47	0.09	10.55	0.05
CBL	11.88	0.05	13.11	0.04

Tabla 3.2 A nice looking table

Dental measurement	Species I		Species II	
	mean	SD	mean	SD
I1MD	6.23	0.91	5.2	0.7
I1LL	7.48	0.56	8.7	0.71
I2MD	3.99	0.63	4.22	0.54
I2LL	6.81	0.02	6.66	0.01
CMD	13.47	0.09	10.55	0.05
CBL	11.88	0.05	13.11	0.04

Tabla 3.3 Even better looking table using booktabs

Dental measurement	Species I		Species II	
	mean	SD	mean	SD
I1MD	6.23	0.91	5.2	0.7
I1LL	7.48	0.56	8.7	0.71
I2MD	3.99	0.63	4.22	0.54
I2LL	6.81	0.02	6.66	0.01
CMD	13.47	0.09	10.55	0.05
CBL	11.88	0.05	13.11	0.04

Bibliografía

Ancey, C., Coussot, P., y Evesque, P. (1996). Examination of the possibility of a fluid-mechanics treatment of dense granular flows. *Mechanics of Cohesive-frictional Materials*, *1*(4), 385-403. http://doi.wiley.com/10.1002/(SICI)1099-1484(199610)1:4%3C385::AID-CFM20%3E3.0.CO;2-0

Read, C. J. (1985). A solution to the invariant subspace problem on the space l_1. *Bull. London Math. Soc.*, *17*, 305-317.

Índice alfabético

Primer apéndice

Este es el primer apéndice.

Segundo apéndice

Este es el segundo apéndice.