

# VJ1202 Informática básica

Curso 2021/22

Course students





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# 1. Latex examples

## 1.1 Sample text

This is sample paragraph extracted from bbc news.

Aerial footage showed lava from the Cumbre Vieja volcano spilling downhill and destroying several houses.

Mr Sanchez said authorities are closely monitoring fires that may start from the burning lava. The military and civil guard has been deployed to help.

The volcano last erupted 50 years ago.

It lies in the south of La Palma island, which is home to around 80,000 people.

The eruption started around 15:00 local time (14:00 GMT) and sent lava flowing down the hillside toward villages.

This is text with some format. Some of the **greatest** discoveries in science were made by *accident*.

More usefull information about Latex is in: [https://www.overleaf.com/learn/latex/Creating\\_a\\_document\\_in\\_LaTeX](https://www.overleaf.com/learn/latex/Creating_a_document_in_LaTeX)

## 1.2 Itemizes and enumerates

Itemize is a unordeder list made with points. Enumerate is a ordered list made with numbers.

Enumerate example:

1. First element
2. Second element
3. Third element

Itemize example:

- First element
- Second element
- Third element

### 1.3 Subsections

OK, here is where I explain from where this is going to start, at that time I just had a micro-controllers and engineering design course my mind was set completely to find applicable theories and create useful things with them, which is the complete opposite of how astronomy works. First, there's no way to test an experiment with galaxies and most of the information is fuzzy and subjective (not all). The process of having an, let's say *astronomy idea* is a result of applying all your physics knowledge and consider the **cosmological principle**,

#### 1.3.1 Subsection example

Since I found so much good information about pretty much everything I wanted to know about, I will just create a remark and let you know where you can find more specific information about, just like below.

##### Subsubsection example

Since I found so much good information about pretty much everything I wanted to know about, I will just create a remark and let you know where you can find more specific information about, just like below.

##### Another subsubsection example

Since I found so much good information about pretty much everything I wanted to know about, I will just create a remark and let you know where you can find more specific information about, just like below.

#### 1.3.2 Another subsection example

Since I found so much good information about pretty much everything I wanted to know about, I will just create a remark and let you know where you can find more specific information about, just like below.

### 1.4 References

In [2] and [1] authors talk about bla bla bla.

### 1.5 Images

Figure 1.1 shows bla bla.

### 1.6 Tables

Table 1.1 shows bla bla bla.

### 1.7 Maths

This an example of equation:

$$\sum_{p \in [0, \dots, n-1]} x[p] b^p \tag{1.1}$$

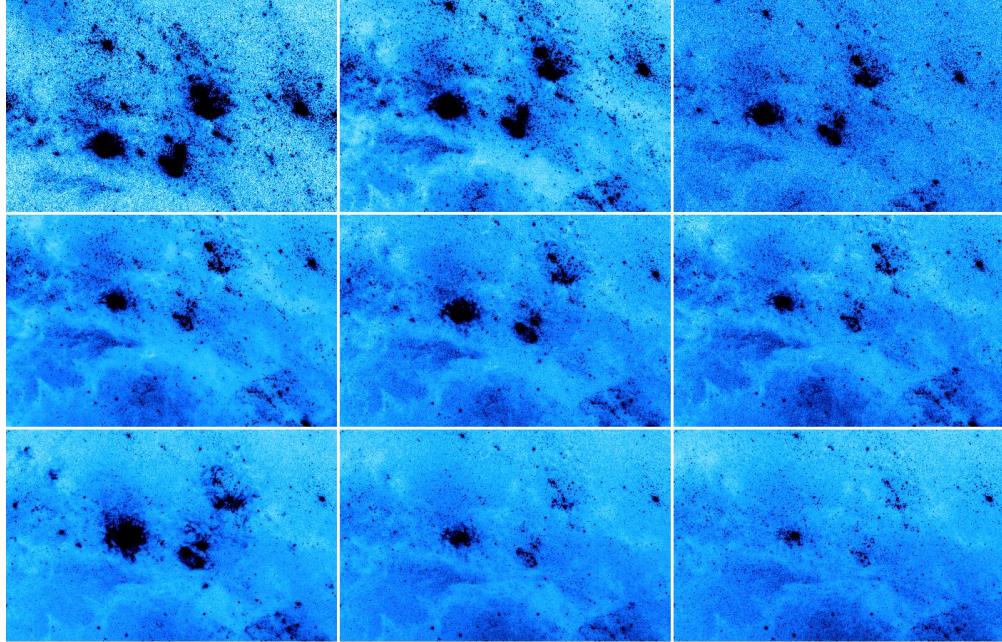


Figure 1.1: Example of how an object can look in 9 wavelengths

Table 1.1: WFC3/UVIS PSF FWHM informations for the selected dataset, as you can see the largest number here is 0.083 which means the poorest spatial resolution, this is the number used to calculate the convolution kernel, in order to precess them all images must have the same spatial resolution.

Filter / Config.	Central $\lambda$	FWHM (arc sec)
F225W	235.9 nm	~0.083
F336W	335.5 nm	~0.075
F373N	373.0 nm	~0.070
F438W	432.5 nm	~0.070
F487N	487.1 nm	~0.067
F502N	501.0 nm	~0.067
F657N	656.7 nm	~0.070
F673N	676.6 nm	~0.070
F814W	802.4 nm	~0.074



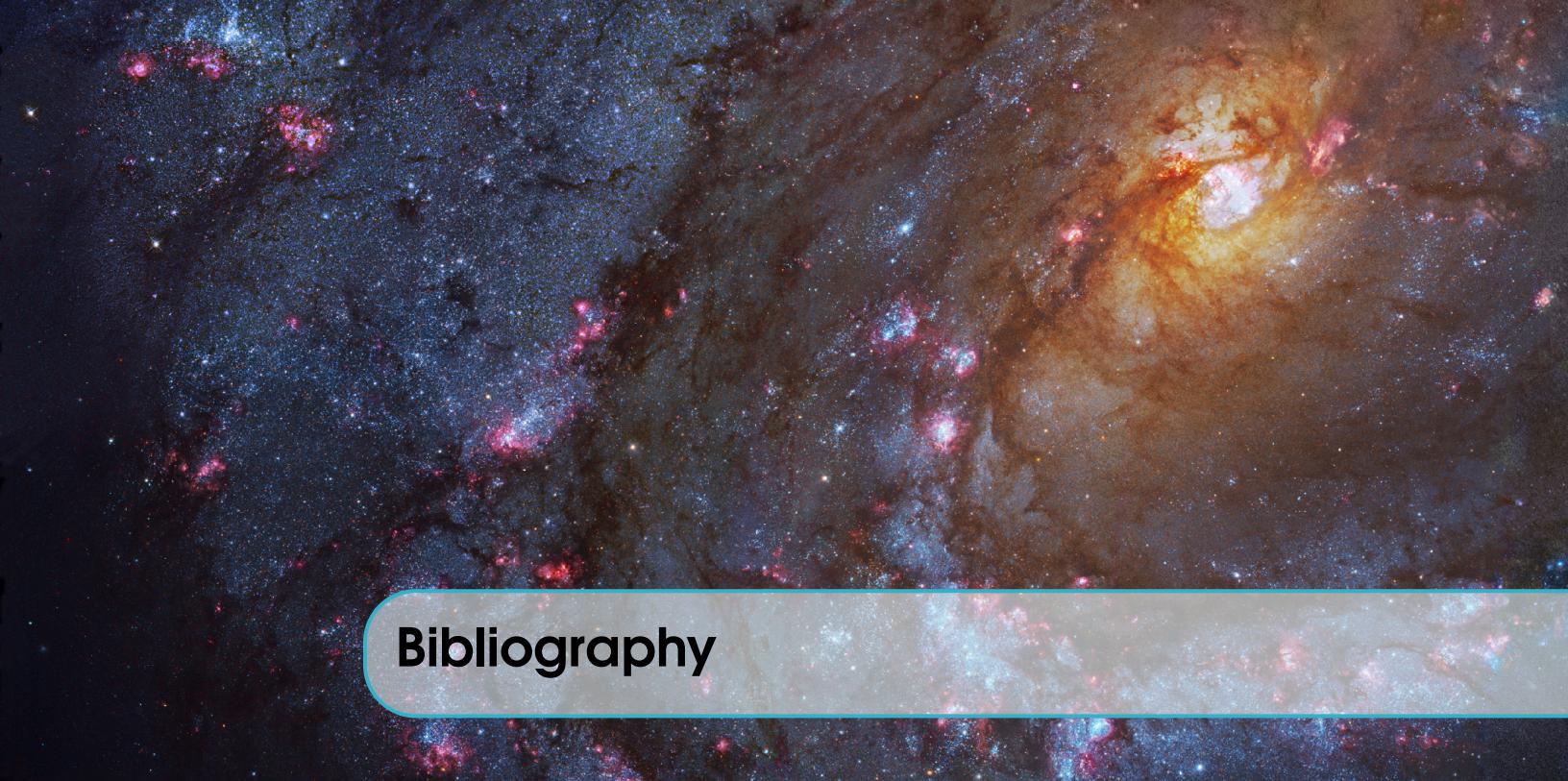


## 2. All about Nintendo DS: Raul Montoliu Colas

### 2.1 Introduction

Bla bla bla.





## Bibliography

- [1] James Smith. Article title. *The best journal*, 14(6):1–8, March 2013.
- [2] John Smith. *Book title*, volume 3 of 2. Publisher, City, 1 edition, January 2012.