The background of the image is a deep space scene featuring a large, luminous nebula with intricate, swirling patterns of green, blue, and yellow. Numerous small, white stars of varying brightness are scattered across the dark blue background, with some appearing as multi-pointed starbursts.

# Physics II

[github.com/mews6](https://github.com/mews6)

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# 1. Introduction

First of all, Welcome! I hope i can explain Physics II in a somewhat friendly way, and i hope that whatever it is you need this text for, you can succeed on it. Sometimes these topics can feel a bit dense (because they are) and even though not the most rigurous of texts, i hope this little guide helps you. Now, before we start with anything, there are a few things i think we should take into account:

**There's a mistake in this book! What do i do?**

Tell me what it is, just let me know and maybe even correct it yourself, i have no reservations on making changes in case it happens to be necessary or otherwise useful.

As a little (final) side note, here's some cool people i took Physics II with, they speak spanish and might not respond, but if you can contact them (and know how to speak spanish), they might help you!

- Daniel Esteban Olaya (de.olaya1318@uniandes.edu.co)
- Paula Giraldo Gallo (pl.giraldo@uniandes.edu.co)





## 2. Fundamentals

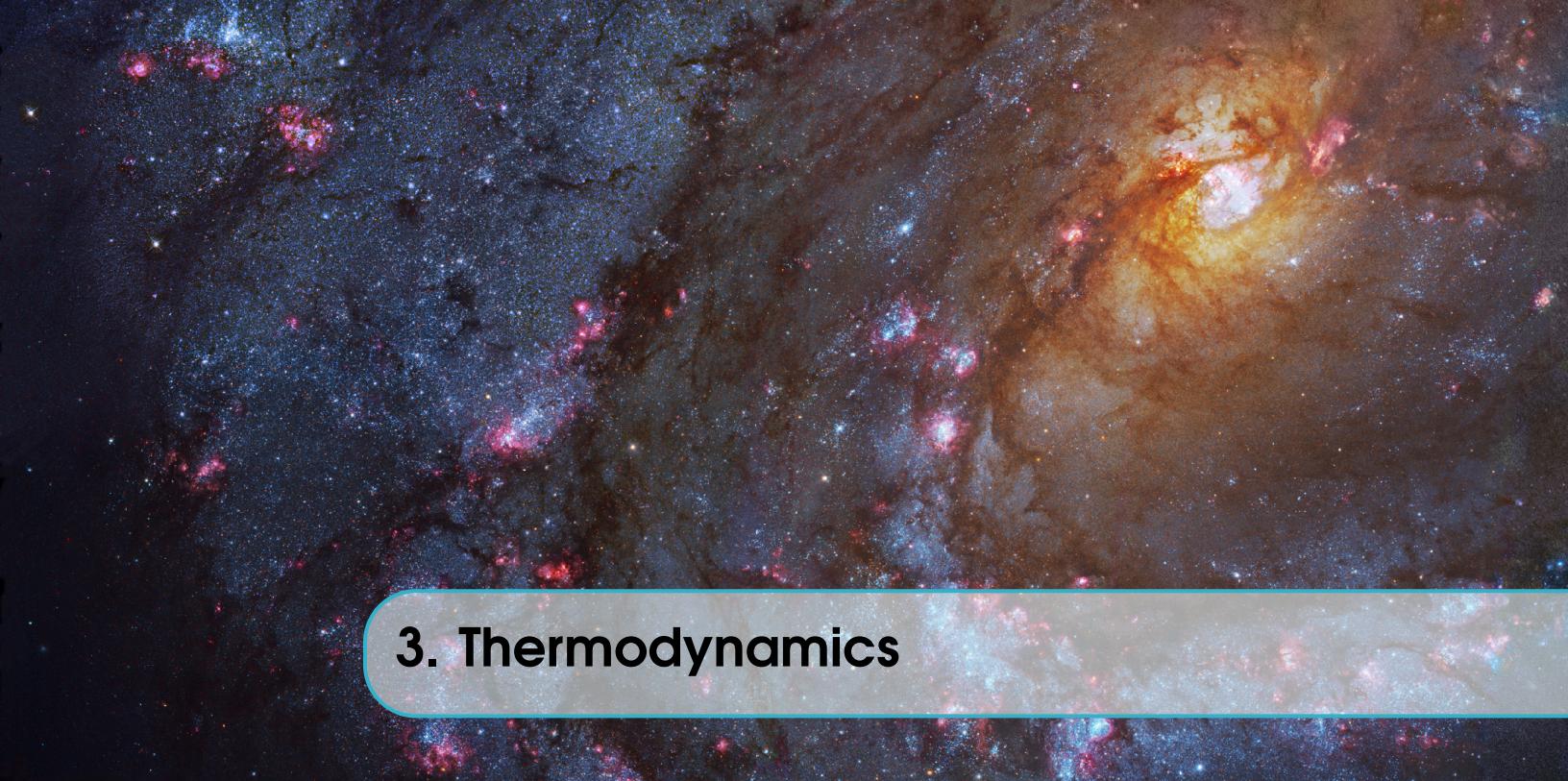
The II in 'Physics II' is of course, a signifier of continuity, and you sometimes don't really remember the things that you saw one, or a few semesters ago. So before you start thinking on the concepts unique to Physics II, a few reminders might be on course for this text. This non-comprehensive collection of topics should be a quick reminder of a few concepts. But i urge you to read them on your own.

### 2.1 Newton's Laws

$$\vec{F} = m\vec{a} \tag{2.1}$$

$$\vec{T} = I\vec{\alpha} \tag{2.2}$$





### 3. Thermodynamics