

UNIVERSITÀ POLITECNICA DELLE MARCHE

Faculty of Engineering

Bachelor of Science in Computer and Automation Engineering

Bachelor's Thesis

# Control oriented modelling of four wheeled electric vehicles



**Advisor:**

prof. Andrea Bonci

**Candidate:**

Sebastian Giles

July 2018

To me and only me

Waka waka. Eh-eh.

*Shakira*

# Acknowledgements

Thanks to me. Who else?

# Summary

Abstract, pleased to meet you. Ah, it's not funny anymore.

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# Chapter 1

## Qua

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# Chapter 2

## Qui

### 2.1 Quaraquaraqua

This is a reference to a chapter 3. This is a reference to a figure 2.1. This is a reference to some code 2.1. This is a citation [2].

---

```
1 import suca
2
3 print "hello_world!"
```

---

Listing 2.1: I directly included a portion of a file

---

```
1 public void prepare(AClass foo) {
2     AnotherClass bar = new AnotherClass(foo)
3 }
```

---

Listing 2.2: Some code in another language than the default one

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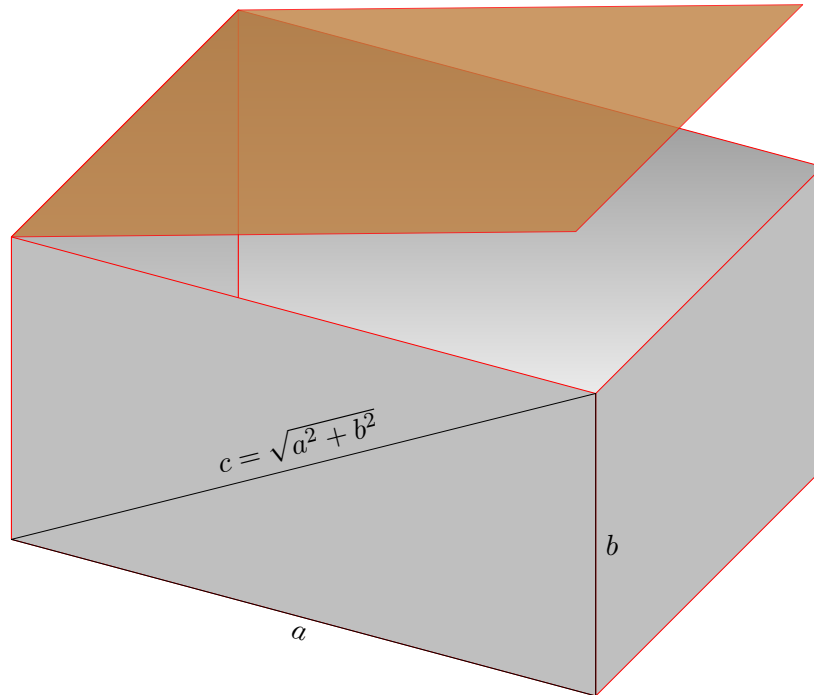


Figure 2.1: This is not a figure. It's a caption.

## Chapter 3

### Quo

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# Appendix A

## An appendix

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# Bibliography

- [1] Carlino Cane. *No one cited me*. Ed. by Anche Leggoo. first edition. O'Reilly, 2009.  
URL: <http://bar.com/>.
- [2] Darth Vader and Neo Cortex. “Hell yeah! I’m a super important paper!” In: *Stampo Solo* 51 (2008), pp. 107–113. DOI: [10.1145/1327452.1327492](https://doi.org/10.1145/1327452.1327492). URL: <http://www.foo.com>.