

ÉCOLE CENTRALE DE NANTES

MASTER CORO-IMARO  
“CONTROL AND ROBOTICS”

2016 / 2017

Master Thesis Report

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**The title of the master thesis**

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## Abstract

Do not forget to check each reference while importing in your Bibtex file. Especially, IEEEExplore export may lead to ill-formatted conference name like *Robotics and Automation, IEEE International Conference on*.

## Acknowledgements

# Notations

## Abbreviations



# List of Figures

---

2.1	A triangle with letters . . . . .	17
3.1	Triangle drawn by my program. Note the 4th side. . . . .	19





## List of Tables

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# Contents

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<b>Introduction</b>	<b>13</b>
<b>1 State of the art</b>	<b>15</b>
1.1 First topic . . . . .	15
1.2 Second topic . . . . .	15
<b>2 Actual work</b>	<b>17</b>
<b>3 Experiments</b>	<b>19</b>
<b>Conclusion</b>	<b>21</b>
<b>A Proof of theorem 2.1</b>	<b>23</b>
<b>Bibliography</b>	<b>23</b>



# Introduction

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# State of the art

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1.1 First topic

1.2 Second topic





# Actual work

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When dealing with rectangled triangles (see Figure 2.1) I sometimes used this theorem from [1]:

$$a^2 + b^2 = c^2 \tag{2.1}$$

The demonstration is in Appendix A.

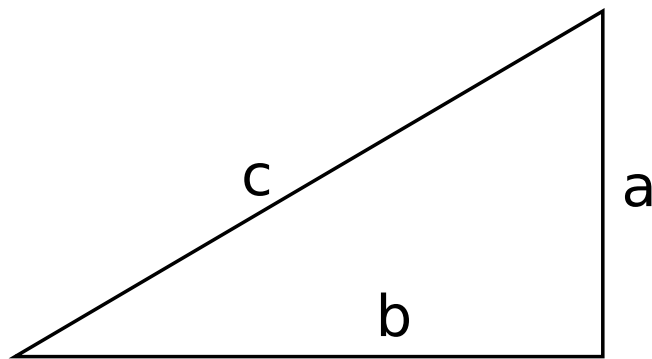


Figure 2.1: A triangle with letters



# Experiments

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When trying to draw a rectangled triangle, my program comes up with Figure 3.1 that is neither rectangled nor a triangle.

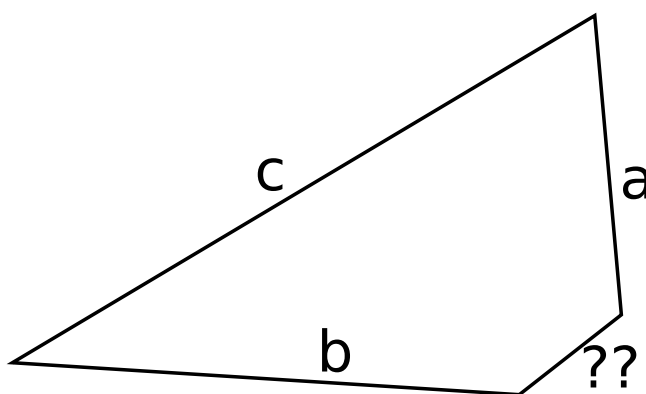


Figure 3.1: Triangle drawn by my program. Note the 4th side.

Unless there is a bug in my program, which is unlikely, this research indicates that the whole theory on triangles having 3 sides has been wrong for years, maybe decades.



# Conclusion

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# Proof of theorem 2.1

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*Proof.* (2.1) was already demonstrated in [2].

□





# Bibliography

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- [1] O. S. Pythagoras, “Theorem,” *Some old journal*, vol. 1, no. 1, Feb. -580.
- [2] O. A. Euclides, “Elements,” *Self-published*, vol. 1, no. 1, Feb. -300.