

An Introduction to Arduino a low cost digital prototyping platform

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Abstract. What is an Arduino? Some information about what this workshop hopes to achieve etc. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean imperdiet congue nisi, eu ultrices elit sollicitudin nec. Vestibulum vitae pretium enim. Mauris eu nulla lectus. Donec eu arcu sem. Pellentesque quis metus eget quam efficitur fringilla tristique vitae neque. Nulla at erat ac felis mollis vulputate id vitae justo. Donec ac rutrum neque. Pellentesque at mollis arcu, quis blandit orci. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus.

Keywords: arduino, digital electronics, prototyping, introduction

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Introduction

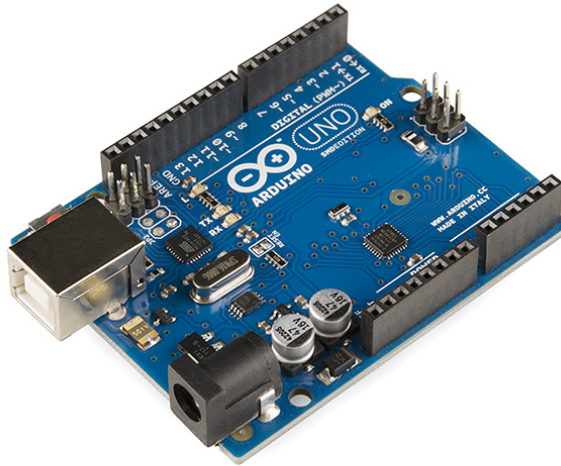


Fig. 1: Arduino Uno R3 [Wikipedia, 2013]

Example of the glossary tag being used Arduino.

Column 1	Column 2
x	1
y	2
z	3

Table 1: Table Caption

Experiment 1

Outline each experiment in a separate chapter

Experiment 2

Outline each experiment in a separate chapter

Experiment 3

Outline each experiment in a separate chapter

Experiment 4

Outline each experiment in a separate chapter

Experiment 5

Outline each experiment in a separate chapter

Conclusions

- sum up the answers to all the questions
- state contributions again
- where my work fits in the grander scheme
- further work

Final Summary

In conclusion while this research was necessarily limited by the available time and resources, never the less a contribution to new knowledge was made through the development of supporting open source tools and resources which might enable further research in this field in the future. There are many opportunities with several existing large radio telescope arrays, such as the Atacama Large Millimetre/submillimetre Array (ALMA) and the Low Frequency Array (LOFAR), while others are in the early planning stages and are due to be built in the near future like the Square Kilometre Array (SKA). I am encouraged to continue working on this and similar topics and I am currently considering applying to a doctoral program which might allow the pursuit of a research career in astronomy.

Glossary

Arduino an open-source electronics platform based on easy-to-use hardware and software. It's intended for anyone making interactive projects. <https://www.arduino.cc/>.

Bibliography

Wikipedia. Arduino uno r3, 2013. URL https://commons.wikimedia.org/wiki/File:Arduino_Uno_-_R3.jpg.