



E-puck workshop Batteries management

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The problem

E-pucks@DISAL

- ~ ~100 e-pucks
- ~200 aging batteries
- Several semesters of intensive use

As a result

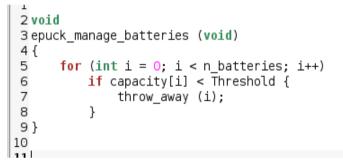
- Batteries with poor performances
- Troubles during labs



Methodology





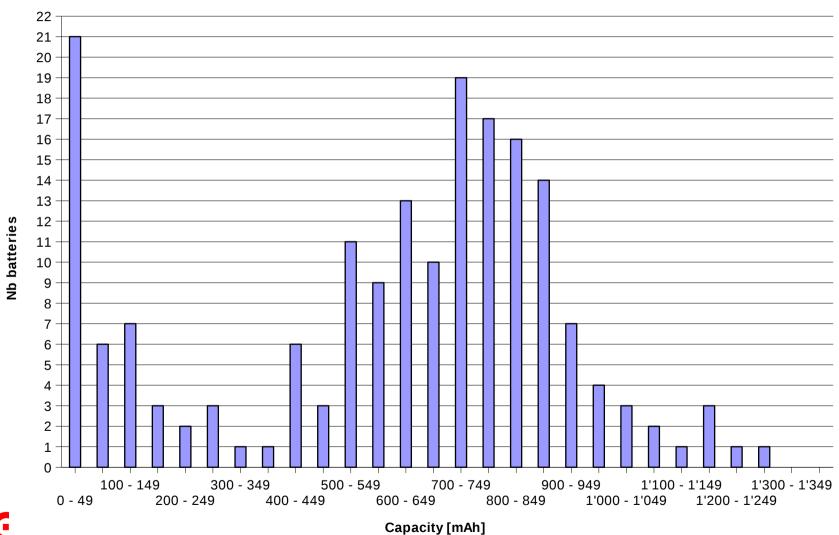








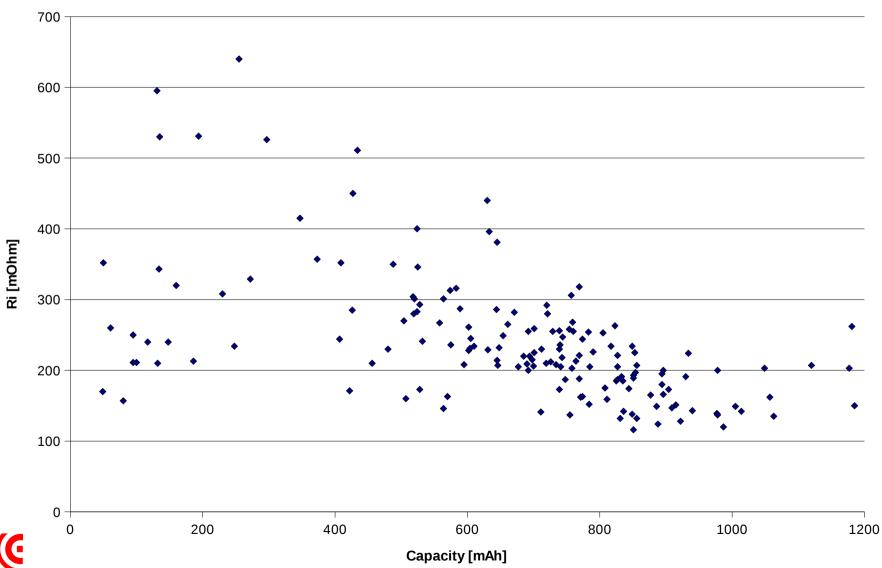
Results - Capacity





Total: 182 batteries

Results - Ri





Conclusion

As a result

- Kept 90 "good" batteries (C > 700mAh)
- Will be also discarded in a few semesters

Disadvantages

- Time and energy consuming
- ~4 or 5 weeks of work

