# Pendubot Progress report 4

### 1. Recall of the objectives:

- Update the website
- Swing-up control
  - Design the good parameters
- Safety net
  - Decide on a definitive strategy
  - Implement it in Labview
  - Simulate it

#### • Peripheral movement

- Decide on a definitive position of the sectors and the controller
- Test it

### 2. Achieved work:

- Update the website
- Swing-up control
  - Design the good parameters
  - Validation with simulations
- Safety net
  - a definitive strategy is decided
  - implementation in Labview is done
  - Simulations validate the model

#### • Peripheral movement

- a definitive position of the sectors and the controller is chosen
- we work on the simulations

#### • Global design of the simulation

- We've designed the major part of the final program in Labview (with all the controllers together), we've chosen the presentation of the interface of simulation (buttons, sliders...))

### 3. Problems:

No problem this week

We fixed all our old problems after the midterm presentation.

### 4. Objectives of next week:

- Finish the implementation of the peripheral movement.
- Continue writing the report
- Update the website.

## Global progress of the project (Schedule's update)

