

PhD meeting

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ISTITUTO ITALIANO DI TECNOLOGIA
ADVANCED ROBOTICS

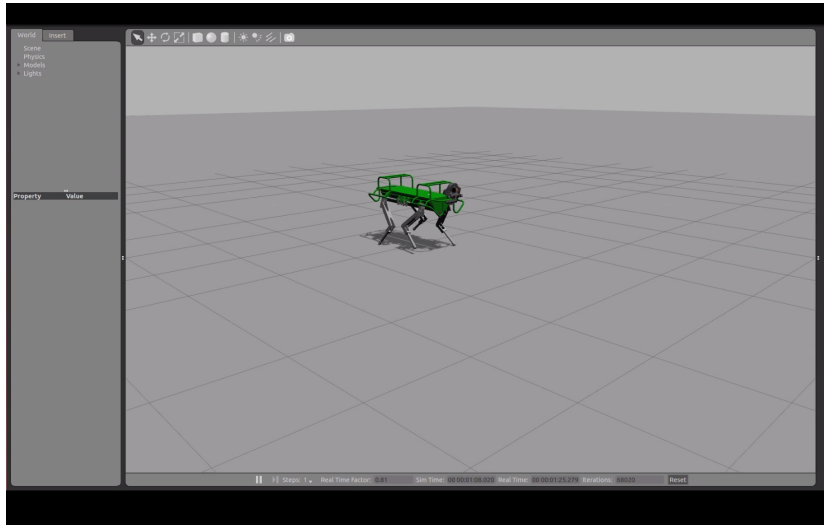
Outline

- Implementation of gait generation using max-plus
- Maintenance of HyQ and lab
- Summer schools
- Meeting with M. Shahbazi
- Further work

Implementation of gait generation using max-plus

- Created max-plus algebra class on C++
- Created max-plus scheduler class on C++
- Implemented code on RCF controller
- Trotting gait ($D_f = 0.5$)

Simulation



Work for the next month

- Implement "event feedback" in simulation
- Test gait parameter switching
- Improve code

Summer schools

- Machine Learning Crash Course (Genova, Italy, June 26th - 30th)
 - Admitted (almost certain)
 - No admission fee
- BMVA Computer Vision Summer School (Lincoln, UK, July 3rd - 7th)
 - Registration opened (not submitted yet)
 - Non UK + accommodation: £670, no accommodation: £494
- Numerical Optimization and Optimal Control (Rome, Italy, June 19th - 23rd)
 - Registered (no confirmation)
 - Probably not going since it is a workshop and discussion may be not so relevant for my project

Meeting with M. Shahbazi

- Former PhD student in Delft
- Work on max-plus algebra for locomotion systems
- Simplified double SLIP-model
- Discussed on his perspectives to extend his work
- On a different scope than the one of the group

Further work

- Implement the already mentioned features to max-plus in simulation
- Think about generalizing the gait generation for different controllers within the group (Michele's, Carlos')

Thank you. Questions or comments?