MP0 Walkthrough

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Meta-info of MPs

• For this course, MPs worth 40% of the total grade
  • We plan to release 5 MPs (MP0 to MP4); each worth 8%
• MP report can be submitted in 2-5 people and should be uploaded to Gradescope
• Gradescope enroll code: D5KEJV
Meta-info of MPs cont’d

• For each MP, there will be a written section and a coding section
• Written section usually contains 2-5 questions
  • Handwritten submissions are accepted, but must be readable
• Coding section
  • Software requirements:
    • Ubuntu 16.04 or 18.04(experimental)
    • ROS Kinetic or Melodic
    • Gazebo 9
    • Python 2.7
  • Although we provide EWS lab machines, we strongly encourage students to set up virtual machines on their own computers
• An VM image is provided on the course website under the Resources tab
MP0 - Safety Verification

• In this MP, there are 4 written questions and 4 coding questions
• The written questions will be related to end-to-end safety and invariant proof covered in the lecture
• For the coding section, you will be given a safety scenario in ROS/Gazebo environment.
• This MP is designed in a way for you to familiarize with the software and tools
  • You DON’T have to write any code in the coding section
  • Instead, you will be running the script with different arguments and answer corresponding questions
  • Reading through the MP code is strongly recommended; might give insights about project