

Debug Info and User FAQ

Updated on 2023/04/20

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1. Is there a requirement for the computational complexity/real-time efficiency of the developed algorithm?

- 1) It is recommended to have a computer with 16G memory and CPU above i5.
- 2) As an automated driving problem, the computation time of designed controller is considered as part of the final score.

2. It is mentioned in the technical paper that the vertical acceleration, roll angle, and pitch angle must be limited. Are these values provided?

A: Please find these values as follows:

Problem 1:

Roll angle (ϕ_p): 0.004 [rad],

Pitch angle (ϕ_q): 0.0015 [rad],

Vertical acceleration (a_z): 0.4 [m/s²]

Problem 2:

Roll angle (ϕ_p): 0.7 [rad],

Pitch angle (ϕ_q): 0.14 [rad],

Vertical acceleration (a_z): 1.4 [m/s²]

3. If we would like to change a laptop/desktop to install the Medelon software later, can we request a new license?

A: Yes, it is possible. Please send me the information of original PC and the new PC.

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4. Unfortunately, it is too late for us to participate respectively incorporate it into one of our courses. My question, however, would be if this challenge is to be held on a regular basis. If this is the case, we would be preparing for next year.

A: It is possible to do a similar benchmark, but not CDC. For the tool support, Modelon is willing to support.