

Homework evaluation for the students

Giorgio Ridolfi

Assignment #1 has several issues. The first exercise requires to implement a robust problem formulation. Yet, the code reported in your PDF file does not consider a robust design, see the pseudo-code on page 3. Also the second part of Assignment #1 is unclear. Specifically, it is unclear what u (lowercase letter) and ν stand for. Further, you declare L as a decision variable but L appears neither in the cost function nor in the constraints.

Assignment #2 has issues too. In Example 1 (the same issues appear in Example 3), you have implemented the constraints $P1 \succeq 0 \cdot \text{eye}(n_x)$ and $a \succeq 0$ but these two constraints should be implemented using strict inequalities. (Since CVX cannot handle strict inequalities you should find ways to correctly implement the constraints, for example as you do in Assignment #1.)

Overall, there are several errors and the report appears to be written with little care.