Exercise Session 6

- 1. Verify the calculations on slide 6 (A Linear Quadratic Game) on Lecture 6 that uses the ARE to rewrite the loss function.
- **2.** [Zhou] Verify the calculations in Example 14.3 in [Zhou] for a=-1 using any H_{∞} toolbox.
- **3.** [Zhou] 14.5 (model given in [Zhou] 13.5).
- **4.** [Zhou] 14.6.
- 5. Go through the calculations of the H_{∞} optimal controller for different values of the parameter ρ in the internal report https://lucris.lub.lu.se/ws/files/4455844/8775142.pdf using the Riccati equation approach.

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