

Pendulum on Cart

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1 Model derivation

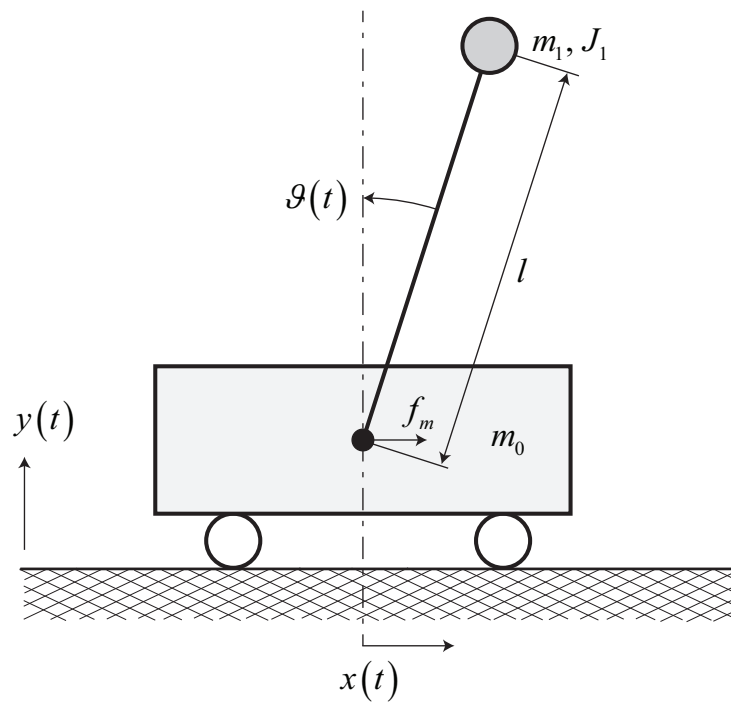


Figure 1: Pendulum on cart.

2 Control implementation

References

- [A. Mehrle, 2021] Andreas Mehrle - *Advanced Control Engineering*. MCI 2021.
- [K. Ogata, 2009] Katsuhiko Ogata - *Modern Control Engineering*. Pearson 2009.
- [K. Ogata, 1987] Katsuhiko Ogata - *Discrete-time Control Systems*. Prentice-Hall 1987.