

# ERRATA

S. Kaynama (last revised: January 16, 2014)

[www.eecs.berkeley.edu/~kaynama](http://www.eecs.berkeley.edu/~kaynama)

[www.ece.ubc.ca/~kaynama](http://www.ece.ubc.ca/~kaynama)

This is an errata for the thesis: “Scalable techniques for the computation of viable and reachable sets: Safety guarantees for high-dimensional linear time-invariant systems,” University of British Columbia, July 2012.

- **Equation (2.33):** The correct order of quantified inputs is as follows. In the continuous-time differential game setting, where players play instantaneously and arbitrarily fast, the non-anticipative disturbance plays first before the control makes a move, but does so with the knowledge of what the control is going to play at that instant:

$$\text{Disc}_{[0,\tau]}(\mathcal{K}, \mathcal{U}, \mathcal{V}) := \{x_0 \in \mathcal{X} \mid \forall \rho: \mathcal{U}_{[0,\tau]} \rightarrow \mathcal{V}_{[0,\tau]}, \exists u(\cdot) \in \mathcal{U}_{[0,\tau]}, \forall t \in [0, \tau], x_{x_0}^{u,\rho}[u](t) \in \mathcal{K}\}.$$

For more explanation in regards to the correctness of this definition please see Definitions 1 and 2 and the surrounding arguments in the paper [arxiv.org/abs/1312.3399](http://arxiv.org/abs/1312.3399)