On Estimating the Control Invariant Set

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Figure: Definitions illustration.
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Significance
Figure: Definitions illustration.
Details

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Significance
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**Figure:** Definitions illustration.
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Significance

Figure: Definitions illustration.
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Details

- Initial Set

- Significance
- Possible directions
  Reachable set methods
Details

- Control Reachable Set
- Initial Set

- Significance
- Possible directions
  Reachable set methods
Details

- Initial Set
- Significance
- Possible directions
  - Reachable set methods
Details

Backward Control Reachable Set

- Initial Set
- Significance
- Possible directions
- Reachable set methods
Figure: Sublevel set of LF.

- **Significance**
- **Possible directions**
- Reachable set methods
- Sublevel set methods
Details

- Significance
- Possible directions
  Reachable set methods
  Sublevel set methods
  Methods comparison

Figure: Sublevel set of LF.
Details

Figure: Sublevel set of LF.

- Significance
- Possible directions
- Tools
Details

Figure: Sublevel set of LF.

- Significance
- Possible directions
- Tools
  - Zonotopic approximation
Details

-4 -2 0 2 4
-14 -7 0 7 14
\delta [\text{rad}]
\omega [\text{rad/s}]

Figure: Sublevel set of LF.

- Significance
- Possible directions
- Tools
  - Zonotopic approximation
  - Semi-algebraic programming