

# A short Introduction to Sliding Mode Control

## Robust Control for Nonlinear Systems

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# Some Remarks on SMC

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# Some Remarks on SMC

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# Some Remarks on SMC

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# Some Remarks on SMC

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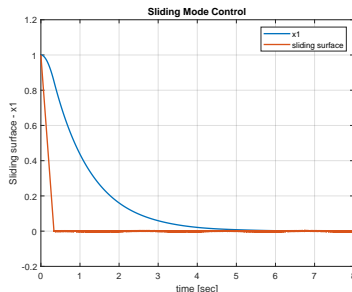
# A motivating Example for SMC

This example is taken from [1].

## Example

Sliding mode of the system:

$$\ddot{x} = \sin(3t) + u \quad (1)$$



# Sample frame title

In this slide, some important text will be highlighted because it's important. Please, don't abuse it.

## Remark

Sample text

## Important theorem

Sample text in red box

## Examples

Sample text in green box. The title of the block is "Examples".



- [1] Vadim I. Utkin et al. *Road map for sliding mode control design*. 6330 Cham, Switzerland: Springer, 2020. ISBN: 978-3030417086. DOI: 10.1007/978-3-030-41709-3.