Abstract

This paper presents a principle for the design of a sliding mode controller. Sliding Mode is based on Reaching law includes reaching phase and sliding phase. This controller can be implemented on a nonlinear plant to make it work as a slightly linear plant. This is done by using implementing the equations of controller into the Simulink model to obtain the controlled output.

References

Institute Of Technology, 1986.


Design of a Sliding Mode Controller (SMC) based on Reaching Law


Index Terms

Computer Science Applied Sciences

Keywords
Sliding mode controller, MATLAB, Simulink, MATLAB coding.