
Adaptive Terminal Sliding Mode Control For Nonlinear

(PDF) Adaptive Non-singular Terminal Sliding Mode Control ...

Adaptive compound second-order terminal sliding mode ...

Adaptive integral terminal sliding mode control for upper ...

Adaptive compound second-order terminal sliding mode ...

Adaptive Terminal Sliding Mode Control

Terminal Sliding Mode Control for Nonlinear Systems with ...

Robust adaptive backstepping fast terminal sliding mode ...

Adaptive neural network terminal sliding mode control for ...

Adaptive terminal sliding mode control for high-order ...

Adaptive terminal sliding mode control of uncertain ...

An adaptive fast terminal sliding mode control combined ...

Double-Loop Integral Terminal Sliding Mode Tracking ...

Adaptive nonsingular fast terminal sliding-mode

control ...

Adaptive Second-Order Fast Nonsingular Terminal Sliding ...

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Adaptive terminal sliding mode control subject to input ...

(PDF) An Adaptive Terminal Sliding Mode Control for Robot ...

Adaptive Fast Terminal Sliding Mode Control of A Suspended ...

Adaptive High-Order Terminal Sliding Mode Control Based on ...

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control is developed to control a second-order nonlinear systems in the presence of some perturbations. In order to cope the disturbances, nonlinearities, and uncertainties of nonlinear systems, a new adaptive

global terminal sliding mode control approach is proposed in .Robust adaptive backstepping fast terminal sliding mode ...Adaptive Fast Terminal Sliding Mode Control of A Suspended Cable-Driven Robot

<p>Abstract: Increasing the speed and precision of operation in cable robots is crucial due to the flexibility of cables. On the other hand, due to the frequent dynamical uncertainties present in cable robots, providing a robust control method is necessary. The ...Adaptive Fast Terminal Sliding Mode Control of A Suspended ...In this paper, robust and adaptive nonsingular fast terminal sliding-mode</p>	<p>(NFTSM) control schemes for the trajectory tracking problem are proposed with known or unknown upper bound of the system uncertainty and external disturbances. Adaptive nonsingular fast terminal sliding-mode control ...By combining the techniques of neural network parameterization, adaptive control, and terminal sliding mode control, the results show the advantages of</p>	<p>these methods, such as fast response time, finite time convergence and small tracking errors. Adaptive terminal sliding mode control of uncertain ...An adaptive terminal sliding mode control (SMC) technique is proposed to deal with the tracking problem for a class of high-order nonlinear dynamic systems. It is shown that a function augmented sliding</p>
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hyperplane can be used to develop a new terminal sliding mode for high-order nonlinear systems. Adaptive terminal sliding mode control for high-order ... Adaptive High-Order Terminal Sliding Mode Control Based on Time Delay Estimation for the Robotic Manipulators With Backlash Hysteresis Abstract: This paper presents the results for model-independent control of uncertain n-degree of

freedom robotic manipulators in the presence of external disturbances and backlash hysteresis. Adaptive High-Order Terminal Sliding Mode Control Based on ... In this paper, the adaptive terminal sliding mode controller subject to input nonlinearity has been addressed without requiring the magnitudes of nonlinear dynamics. Techniques for achieving

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<p>system. This method is applied for the control of upper limb exoskeleton in order to achieve passive rehabilitation movements. Adaptive integral terminal sliding mode control for upper ... An adaptive nonsingular fast terminal sliding mode control scheme consisting of an adaptive control term and a robust control term for electromechanical actuator is proposed in</p>	<p>this article. The adaptive control term with an improved composite adaptive law can estimate the uncertain parameters and compensate for the modelled dynamical ... Adaptive nonsingular fast terminal sliding mode control ... Abstract: This paper focuses on the design of an adaptive second-order fast nonsingular terminal sliding mode control (ASOFNTSMC)</p>	<p>scheme for the trajectory tracking of fully actuated autonomous underwater vehicles (AUVs) in the presence of dynamic uncertainties and time-varying external disturbances. First, a second-order fast nonsingular terminal sliding mode (SOFNTSM) manifold is designed to ... Adaptive Second-Order Fast Nonsingular Terminal Sliding ... By using adaptive neural control</p>
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<p>methods, the author discussed the synchronization for robotic manipulators in the study by Liu et al. 34 Motivated by above analysis, this article will research a terminal sliding mode (TSM) control for uncertain spatial robot, which doesn't require prior knowledge about the system. The unknown nonlinear ...Adaptive neural network terminal sliding mode control for ...Abstract:</p>	<p>This paper focuses on the trajectory tracking control of unmanned underwater vehicles (UUVs) in the presence of dynamic uncertainties and time-varying external disturbances. Two adaptive integral terminal sliding mode control schemes, namely, adaptive integral terminal sliding mode control (AITSMC) scheme and adaptive fast integral</p>	<p>terminal sliding mode control (AFITSMC) scheme are ...Double-Loop Integral Terminal Sliding Mode Tracking ...In this paper, an adaptive fast terminal sliding mode control technique combined with a global sliding mode control scheme is investigated for the tracking problem of uncertain nonlinear third-order systems. The proposed robust tracking</p>
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terminal sliding mode ... (PDF) Adaptive Non-singular Terminal Sliding Mode Control ... This paper presents an adaptive terminal sliding mode control algorithm for robot manipulators. The contribution of our control method is that the suggested controller can enable the advantages of ... (PDF) An Adaptive Terminal Sliding Mode Control for Robot ... To solve such

problems, an adaptive compound second-order terminal sliding mode controller is proposed. First, a combination of the complementary sliding mode surface and second-order terminal sliding mode control is introduced. Adaptive compound second-order terminal sliding mode ... The global fast dynamic terminal sliding mode control (GTSMC) is proposed and has been

widely studied. 20,21 On the other hand, in order to reduce the control error, the complementary sliding mode control (CSMC) has been designed 22 and applied to the fault-tolerant control for six-phase permanent magnet synchronous motor (PMSM) drive system ...Adaptive compound second-order terminal sliding mode ...an adaptive terminal sliding mode control for DC DC buck

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Terminal Sliding Mode Control

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rehabilitation
movements.

**Adaptive
terminal
sliding mode
control
subject to
input ...**

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robust and
adaptive
nonsingular
fast terminal
sliding-mode
(NFTSM)
control
schemes for
the trajectory
tracking
problem are
proposed with
known or
unknown
upper bound
of the system
uncertainty
and external
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(PDF) An
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Robot ...*
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On the other
hand, in order
to reduce the
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the
complementar
y sliding mode
control
(CSMC) has
been designed
22 and
applied to the
fault-tolerant
control for six-
phase
permanent
magnet
synchronous

motor (PMSM)
drive system
...

**Adaptive
Fast
Terminal
Sliding Mode
Control of A
Suspended
...**

By combining
the
techniques of
neural
network
parameterizati
on, adaptive
control, and
terminal
sliding mode
control, the
results show
the
advantages of
these
methods, such
as fast
response
time, finite
time
convergence
and small

tracking errors.	<i>Terminal Sliding Mode Control Based on ...</i>	Adaptive Terminal Sliding Mode Control
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