Home ► All Journals ► Cybernetics and Systems ► List of Issues ► Volume 37, Issue 4

Cybernetics and Systems > An International Journal Volume 37, 2006 - Issue 4

62 Views CrossRef citations to date Altmetric

▶ NONLINEAR ROBUST CONTROL FOR PARALLEL AC

Original Articles

NONLINEAR ROBUST CONTROL FOR PARALLEL AC/DC TRANSMISSION SYSTEMS: A NEW ADAPTIVE BACK-STEPPING APPROACH

Jun Fu 🔀 & Jun Zhao

Pages 347-359 | Published online: 01 Sep 2006

66 Cite this article ▲ https://doi.org/10.1080/01969720600626360

> Sample our Computer Science

Full Article

Figures & data

References

66 Citations

Metrics

Reprints & Permissions

Read this article

ABSTRACT

By utilizing the controllability of High Voltage Direct Current (HVDC), which means that the power delivered can be modulated, to improve the stability and operation

perform approac "classica equival syste dynami time est

perform

About Cookies On This Site

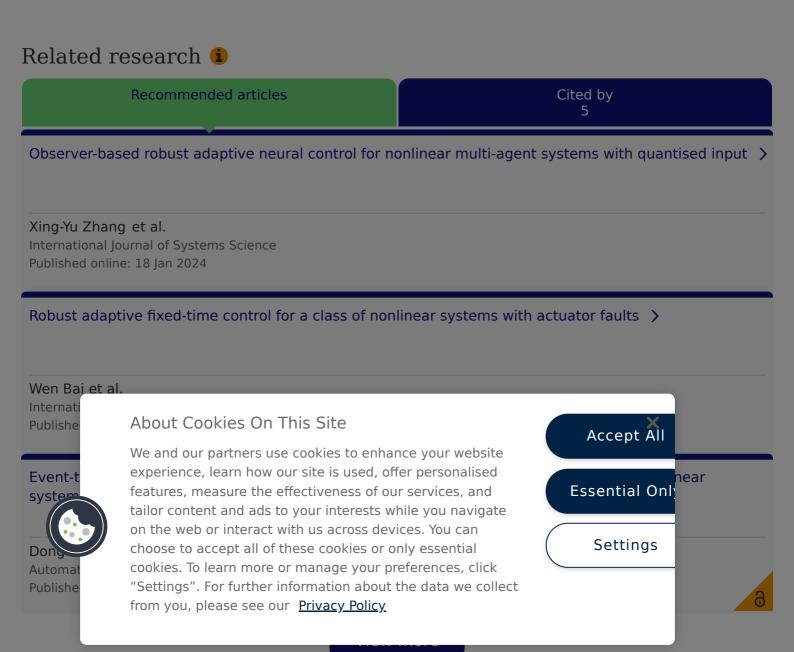
We and our partners use cookies to enhance your website experience, learn how our site is used, offer personalised features, measure the effectiveness of our services, and tailor content and ads to your interests while you navigate on the web or interact with us across devices. You can choose to accept all of these cookies or only essential cookies. To learn more or manage your preferences, click "Settings". For further information about the data we collect from you, please see our Privacy Policy

ack-stepping Accept All er based on al certainty-Essential Onlyrallel AC/DC timator and Settings and the reals better adaptation.

Simulation results demonstrate that the proposed approach is better than the design

based on "classical" adaptive back-stepping in terms of properties of stability and parameter estimation and that it recovers the performance of the "full-information" controller, which is obtained by assuming that the parameters are known and apply standard back-stepping, hence it will be an alternative to practice engineering and applications.

This article was supported by the National Natural Science Foundation of China under Grants 60574013 and 60274009, the Specialized Research Fund for the Doctoral Program of Higher Education of China under Grant 20020145007, and the Natural Science Foundation of Liaoning Province under Grant 20032020.



Information for

Authors

R&D professionals

Editors

Librarians

Societies

Opportunities

Reprints and e-prints

Advertising solutions

Accelerated publication

Corporate access solutions

Open access

Overview

Open journals

Open Select

Dove Medical Press

F1000Research

Help and information

Help and contact

Newsroom

All journals

Books

Keep up to date

Register to receive personalised research and resources by email















Copyright © 2024 Informa UK Limited Privacy policy Cookies Terms & conditions



Accessibility

Registered in England & Wales No. 3099067 5 Howick Place | London | SW1P 1WG

About Cookies On This Site



We and our partners use cookies to enhance your website experience, learn how our site is used, offer personalised features, measure the effectiveness of our services, and tailor content and ads to your interests while you navigate on the web or interact with us across devices. You can choose to accept all of these cookies or only essential cookies. To learn more or manage your preferences, click "Settings". For further information about the data we collect from you, please see our Privacy Policy



Essential Onl

Settings