Original Articles

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

Jun Fu ✉ & Jun Zhao

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

Sample our
Computer Science
Journals
>> Sign in here to start your access

📄 Full Ar

🖨 Repri

ABSTR

By utilizi   means that
the pe   on
perfo   ack-stepping
approac   er based on
"classica   cal certainty-
equivale   rallel AC/DC
systems   timator and
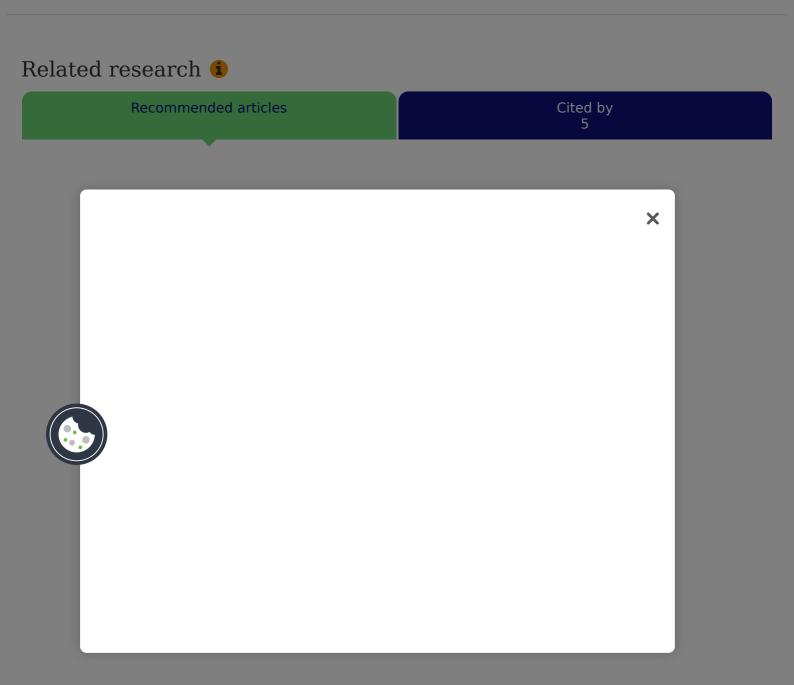dynamic   and the real-
time est   s better
performances with respect to the response of the system and the speed of adaptation.

We Care About Your Privacy

We and our 909 partners store and access personal data, like browsing data or unique identifiers, on your device. Selecting I Accept enables tracking technologies to support the purposes shown under we and our partners process data to provide. Selecting Reject All or withdrawing your consent will disable them. If trackers are disabled, some content and ads you see may not be as relevant to you. You can resurface this menu to change your choices or withdraw consent at any time by clicking the Show Purposes link on the bottom of the webpage .Your choices will have effect within our Website. For more details, refer to our Privacy Policy. Here

We and our partners process data to provide:

Use precise geolocation data. Actively scan device

I Accept

Reject All

Show Purpose

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.

Related research ⓘ

Recommended articles

Cited by
5

Keep up to date

Register to receive personalised research and resources
by email

Sign me up