







Home ▶ All Journals ▶ Geography ▶ International Journal of Remote Sensing ▶ List of Issues ▶ Volume 28, Issue 12 ▶ Stabilizing high-order, non-classical ha ...

International Journal of Remote Sensing > Volume 28, 2007 - <u>Issue 12</u>

594 50 0

Views CrossRef citations to date Altmetric

Original Articles

Stabilizing high-order, non-classical harmonic analysis of NDVI data for average annual models by damping model roughness

J. F. Hermance

Pages 2801-2819 | Received 05 May 2006, Accepted 06 Jul 2006, Published online: 29 May 2007

Sample our
Geography
Journals
>> Sign in here to start your access to the latest two volumes for 14 days

Full Ar

Repri

Abstra

Fourier s

identifyi

terrestri

appli

spurious can be s

squared

an expe

We Care About Your Privacy

We and our 907 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," whereas 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 ["privacy preferences"] link on the bottom of the webpage [or the floating icon on the bottom-left of the webpage, if applicable]. 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:

I Accept

Reject All

Show Purpose tive for

ariety of

Index (NDVI)

of such

ng, or low

ress

cechniques

sum of the

so enforce

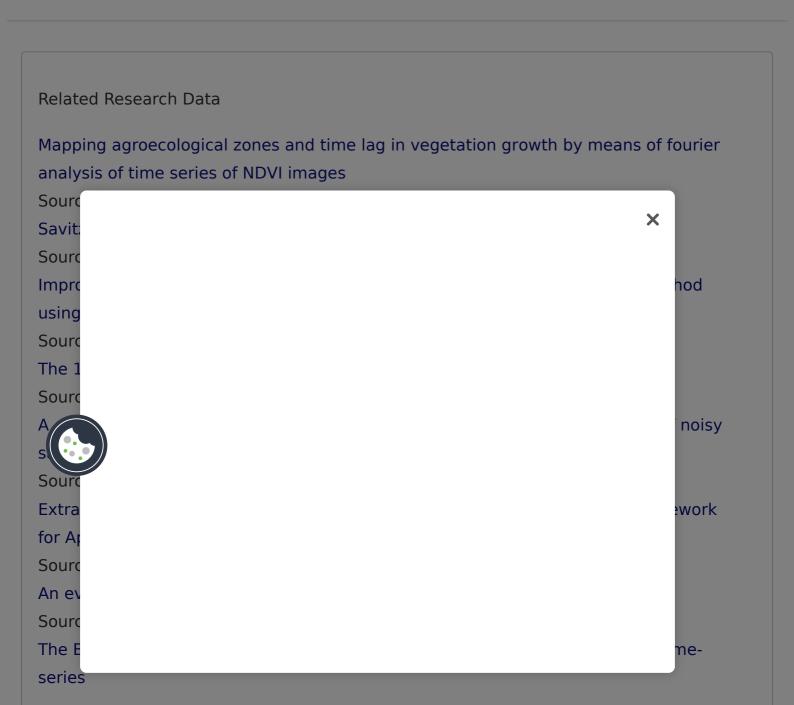
ns in

vith the

application of special transcendental forms, such as asymmetric Gaussian and logistic (sigmoidal) functions, recently reported in the literature.

Acknowledgments

This work was developed over several years of interacting and constructive discussions with Bethany Bradley and Rob Jacob, both recent recipients of PhD degrees from Brown University. Professor Jack Mustard generously supplied the AVHRR-NDVI data and the hospitable venue in which this work was possible. Financial support was provided by Brown University and private sector partners with its Environmental Geophysics/Hydrology group.



Source: International Journal of Remote Sensing Reconstructing cloudfree NDVI composites using Fourier analysis of time series Source: International Journal of Remote Sensing Satellite remote sensing of primary production Source: International Journal of Remote Sensing African Land-Cover Classification Using Satellite Data Source: Science Monitoring vegetation phenology using MODIS Source: Remote Sensing of Environment Seasonality extraction by function fitting to time-series of satellite sensor data Source: IEEE Transactions on Geoscience and Remote Sensing Fourier Series for analysis of temporal sequences of satellite sensor imagery Source: International Journal of Remote Sensing Land-Surface Phenologies from AVHRR Using the Discrete Fourier Transform Source: Remote Sensing of Environment Interannual variations in satellite-sensed vegetation index data from 1981 to 1991 Source: Journal of Geophysical Research Atmospheres Measuring phenological variability from satellite imagery Source: Journal of Vegetation Science Identifying land cover variability distinct from land cover change: Cheatgrass in the **Great Basin** Source: Remote Sensing of Environment x sed on A sim the S Sourc Crop Sourc TIMES Sourc ourier Mapp Gree e Sourc obal A glo fields Sourc Class g

Source: International Journal of Remote Sensing

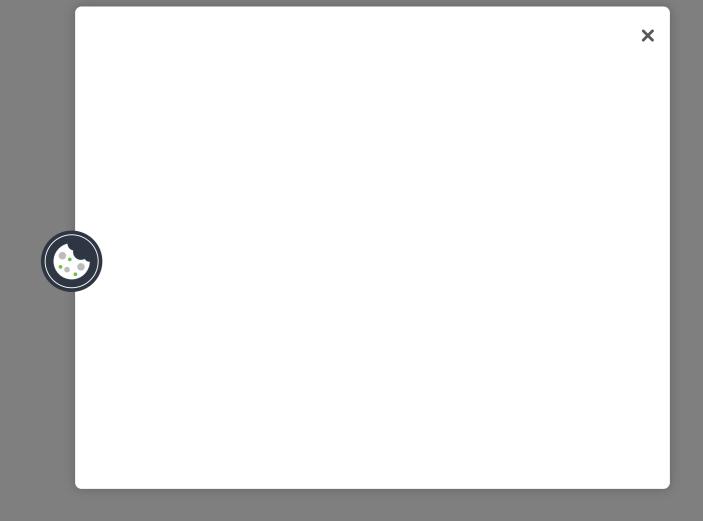
Fouri

Fourier analysis of multi-temporal AVHRR data applied to a land cover classification Source: International Journal of Remote Sensing

Linking provided by Schole plorer

Related research 1





Information for Open access **Authors** Overview R&D professionals Open journals Editors **Open Select** Librarians **Dove Medical Press** Societies F1000Research Opportunities Help and information Reprints and e-prints Advertising solutions Newsroom Accelerated publication Corporate access solutions Books Keep up to date Register to receive personalised research and resources by email Sign me up X or & Francis Group Copyright