

571 Views | 48 CrossRef citations to date | 0 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

Cite this article <https://doi.org/10.1080/01431160600967128>

Sample our  
Geography  
Journals

>> [Sign in here](#) to start your access to the latest two volumes for 14 days



Full Article Figures & data References Citations Metrics

Reprint

## We Care About Your Privacy

We and our 854 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  
...riety of  
...Index (NDVI)  
...of such  
...ng, or low  
...press  
...techniques  
...sum of the  
...so enforce  
...ns in  
...with 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.

### Related Research Data

Extracting vegetation phenology metrics in Changbai Mountains using an improved logistic model

Source

PHEN

Source

Advan

Monit

Source

Fores

Source

Re

S

Large

Base

Source

Harm

the B

Source

Optim

irrigated agriculture in Zimbabwe



ational

pper


n below

ed and

Source: Informa UK Limited

Landsat 4, 5 and 7 (1982 to 2017) Analysis Ready Data (ARD) Observation Coverage over the Conterminous United States and Implications for Terrestrial Monitoring

Source: MDPI AG

Linking provided by 

## Related research

People also read

Recommended articles

Cited by  
48

Spatio-Temporal Reconstruction of MODIS NDVI by Regional Land Surface Phenology and Harmonic Analysis of Time-Series >

Suman Kumar Padhee et al.

GIScience & Remote Sensing

Published online: 6 Aug 2019



Information for

- Authors
- R&D professionals
- Editors
- Librarians
- Societies

Opportunities

- Reprints and e-prints
- Advertising solutions
- Accelerated publication
- Corporate access solutions

Keep up to date

Register to receive personalised research and resources by email

 Sign me up

- 
- 
- 
- 
- 

Open access

- Overview
- Open journals
- Open Select
- Dove Medical Press
- F1000Research

Help and information

- Help and contact
- Newsroom
- All journals
- Books

Copyright

Accessib

Registered  
5 Howick Pl

or & Francis Group  
orma business

