

Hilbert-huang Transform Analysis Of Hydrological And Environmental Time Series

[DOWNLOAD HERE](#)

PREFACE- 1. INTRODUCTION - 2. HILBERT-HUANG TRANSFORM (HHT) SPECTRAL ANALYSIS - 2.1. Introduction - 2.2. Conventional Spectral Analysis Methods - 2.3. Empirical Mode Decomposition - 2.4. Hilbert-Huang Spectra - 2.5. Relationship Between HHT and Fourier Spectra - 2.6. Volatility of Time Series - 2.7. Degree of Stationarity of Time Series - 2.8. Stationarity Tests - 2.9. Concluding Comments - 3. HILBERT-HUANG SPECTRA OF SIMULATED DATA - 3.1. Introduction - 3.2. Synthetic Data Analysis - 3.3. Simulation of Nonstationary Random Processes - 3.4. Confidence Intervals for Marginal Hilbert Spectrum - 3.5. Concluding Comments - 4. RAINFALL DATA ANALYSIS - 4.1. Introduction and Data Used - 4.2. HCN rainfall data - 4.3. NCDC rainfall data - 4.4. Concluding Comments - 5. STREAMFLOW DATA ANALYSIS - 5.1. Introduction and Data Used - 5.2. USGS Streamflow Data - 5.3. Analysis of Warta, Godavari and Krishna Rivers Flow Data - 5.4. Concluding Comments - 6. TEMPERATURE DATA ANALYSIS - 6.1. Introduction and Data Used - 6.2. European Long-term Monthly Temperature Time - 6.3. HCN and NCDC Monthly Temperature Time Series - 6.4. Concluding Comments - 7. WIND DATA ANALYSIS - 7.1. Introduction and Data Used - 7.2. Hourly Wind Speed Data - 7.3. Daily Average Wind Speed Data - 7.4. Daily Peak Wind Speed Data - 7.5. Concluding Comments - 8. LAKE TEMPERATURE DATA ANALYSIS - 8.1. Introduction and Data Used - 8.2. Lake Temperature Spatial Series Analysis - 9. CONCLUSIONS - REFERENCES - INDEX EAN/ISBN : 9781402064548 Publisher(s): Springer Netherlands Format: ePub/PDF

[DOWNLOAD HERE](#)

Similar manuals: