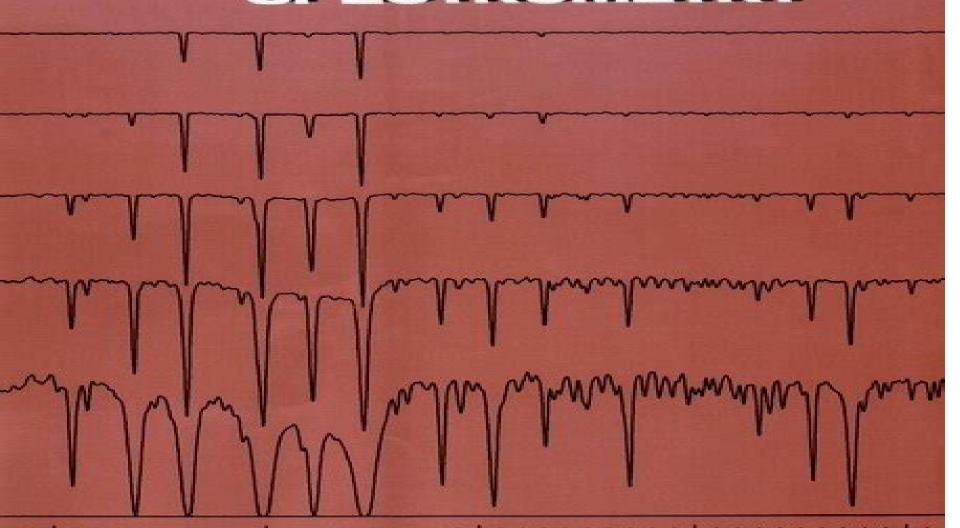
## REMOTE SENSING BY FOURIER TRANSFORM SPECTROMETRY



## Reinhard Beer

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# **Remote Sensing By Fourier Transform Spectrometry**

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Approaches to Scaling of Trace Gas Fluxes in Ecosystems A.F. Bouwman,1999-02-23 This excellent book covers techniques used for extrapolating measurements of trace gas fluxes and factors regulating the production consumption and exchange of trace gases in terrestrial and aquatic environments It provides a comprehensive summary of all aspects of scaling from flux measurement techniques geographic data modelling use of tracers and isotopes inverse modelling and satellite borne atmospheric observations An interesting feature of the book is the fact that both fluxes from terrestrial and aquatic marine sources are discussed along with the uncertainties in estimates of trace gas fluxes at different scales

including point field landscape regional and global scale As well as reviewing the state of the art in the field of scaling of fluxes of greenhouse gases ozone and aerosol and their precursors and acidifying compounds the emphasis of this volume is on identification of gaps in knowledge finding solutions and determination of future research directions Spectrometry .2004 Semiconductor Device-Based Sensors for Gas, Chemical, and Biomedical Applications Fan Ren, Stephen J Pearton, 2016-04-19 This book provides a basic understanding of new developments on semiconductor based sensors Written for senior undergraduate and graduate students majoring in solid state physics electrical engineering and materials science and engineering this material is also relevant to researchers in the field of sensors for gas chemical bio and medical applications It presents original theory and experimental research featuring numerous experts in the field who review progress in semiconductor and nano material based sensors and discuss the latest research regarding their applications Fields addressed include Si MOS based sensors nano material based sensors GaN bsed sensor arrays for nano and pico fluidic systems and InN based sensors Encyclopedia of Optical Engineering: Las-Pho, pages 1025-2048 Ronald G. Driggers, 2003 Compiled by 330 of the most widely respected names in the electro optical sciences the Encyclopedia is destined to serve as the premiere guide in the field with nearly 2000 figures 560 photographs 260 tables and 3800 equations From astronomy to x ray optics this reference contains more than 230 vivid entries examining the most intriguing technological advances and perspectives from distinguished professionals around the globe The contributors have selected topics of utmost importance in areas including digital image enhancement biological modeling biomedical spectroscopy and ocean optics providing thorough coverage of recent applications in this continually expanding field

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