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Hyperspectral Imaging for Fine to Medium Scale Applications in Environmental Sciences was to present a selection of innovative studies using hyperspectral imaging HSI in different thematic fields This intention reflects the technical developments in the last three decades which have brought the capacity of HSI to provide spectrally spatially and temporally detailed data favoured by e.g. hyperspectral snapshot technologies miniaturized hyperspectral sensors and hyperspectral microscopy imaging The present book comprises a suite of papers in various fields of environmental sciences geology mineral exploration digital soil mapping mapping and characterization of vegetation and sensing of water bodies including under ice and underwater applications In addition there are two rather methodically technically oriented contributions dealing with the optimized processing of UAV data and on the design and test of a multi channel optical receiver for ground based applications All in all this compilation documents that HSI is a multi faceted research topic and will remain so in the future

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Introduction to Numerical Methods Abdelwahab Kharab, Ronald B. Guenther, Ling Guan, 2001-12 *Engineering Mechanics , Statics* J. L. Meriam, L. G. Kraige, 2001-08-28 **Engineering Mechanics: Dynamics** James L. Meriam, 2002 Solutions Manual for Signals and Systems Primer with Matlab Alexander D Poularikas, Poularikas Alexander D Staff, 2007-01-01

Practical Numerical Mathematics with MATLAB Mike Myron Sussman, 2021 The Association of Southeast Asian Nations ASEAN has been one of the world's most dynamic and fastest growing regions over the years. Its average combined GDP growth rate is more than 6% and the total combined GDP was valued at US 3.0 trillion in 2018. ASEAN countries have managed to significantly reduce their national poverty over the last few decades. Although a correlation exists between economic growth and poverty reduction, millions of people in ASEAN countries still do not have sufficient incomes to fulfill their basic needs including food, shelter, clothes, and sanitation. This book is a collection of working group papers contributed by members of Network of ASEAN-China Think tanks NACT and covers best practices on poverty alleviation in ASEAN member states as well as in China and ASEAN-China cooperation. It discusses experiences of ASEAN member states and China such as with regard to national policies, principles, definitions, approaches, progress, and challenges in poverty reduction. It reviews and evaluates the way forward including existing joint projects, opportunities, and challenges in the future cooperation and offers policy recommendations from both national and regional perspectives to help policymakers better cope with the daunting poverty challenges.

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