

Xs Small Structures Green Architecture

XSXS Green Explainable Machine Learning for Geospatial Data Analysis Project Railroads You Can Build Dwell Human Physiology and Health Active Control of Noise and Vibration Small Green Roofs Precast Concrete Elements with Bamboo Reinforcement IEEE Antennas and Propagation Society International Symposium 1997 Horticultural Buildings Foundations of Vibroacoustics Special report on immigration On the Structure and Distribution of Coral Reefs The Garden Agricultural Botany, Theoretical and Practical The Annals & Magazine of Natural History Personal Narrative of a Pilgrimage to Mecca and Medina Garden and Forest Our Village Phyllis Richardson Phyllis Richardson Courage Kamusoko Kent J. Johnson David B. Wright Colin Hansen Nigel Dunnett Waterways Experiment Station (U.S.) IEEE Antennas and Propagation Society. International Symposium F. Atfield Fawkes Colin Hansen Edward Young Charles Darwin John Percival Sir Richard Francis Burton Charles Sprague Sargent Mary Russell Mitford

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a follow up to the highly successful xs big ideas small buildings this book features contemporary solutions to two of today s most challenging problems how to conserve space and help save the environment the design goals of the 40 houses included here are to build as small as possible to harmonize with the site to use natural heating and cooling techniques and above all to combine aesthetic beauty with ecological sensitivity the houses are striking in appearance inexpensive to build and totally functional and will serve as inspiration for architects and potential owners designed by a variety of young international architects among them patkau shop sean godsell and klein dytham the projects featured here reveal an extraordinary degree of ingenuity within a tight creative context or budget as homeowners become more environmentally savvy and demand environmentally sound choices a new generation of architects and builders is creating warm inviting homes that cause only a fraction of the ecological impact of conventional building methods the book is also a compelling manifesto that illustrates how ecological

responsibility can reinvigorate contemporary architecture sustainability is not just good for the environment it also propels architects toward new innovations and greater creativity

what does it mean to be green this book a follow up to the cult hit xs is a celebration of idiosyncratic small buildings and asks what we mean by building green and how doing so enriches the world around us the projects here are not only about building well but about seeing well they embrace the spectrum of small structures from traditional nature huts and ornamental follies to the charmingly surreal buildings that look after people can also be the ones that look after the earth

explainable machine learning xml a subfield of ai is focused on making complex ai models understandable to humans this book highlights and explains the details of machine learning models used in geospatial data analysis it demonstrates the need for a data centric explainable machine learning approach to obtain new insights from geospatial data it presents the opportunities challenges and gaps in the machine and deep learning approaches for geospatial data analysis and how they are applied to solve various environmental problems in land cover changes and in modeling forest canopy height and aboveground biomass density the author also includes guidelines and code scripts r python valuable for practical readers features data centric explainable machine learning ml approaches for geospatial data analysis the foundations and approaches to explainable ml and deep learning several case studies from urban land cover and forestry where existing explainable machine learning methods are applied descriptions of the opportunities challenges and gaps in data centric explainable ml approaches for geospatial data analysis scripts in r and python to perform geospatial data analysis available upon request this book is an essential resource for graduate students researchers and academics working in and studying data science and machine learning as well as geospatial data science professionals using gis and remote sensing in environmental fields

includes easy to follow instructions for constructing moderately sized approximately 4 x 8 n or ho scale model railroads from benchwork through finished scenery ideal for novice model railroaders or experienced hobbyists interested in exploring other scales from the pages of model railroader magazine

at dwell we re staging a minor revolution we think that it s possible to live in a house or apartment by a bold modern architect to own furniture and products that are exceptionally well designed and still be a regular human being we think that good design is an integral part of real life and that real life has been conspicuous by its absence in most design and architecture magazines

this human biology text covers the human physiology and health gcse syllabuses neab and seg and is suitable for gnvq health and social care it is written for post 16 students who may have struggled with science gcse or are studying the subject with a particular vocational focus

integrating active control of both sound and vibration this comprehensive two volume set combines coverage of fundamental principles with the most recent

theoretical and practical developments the authors explain how to design and implement successful active control systems in practice and detail the pitfalls one must avoid to ensure a reliable and stable system extensively revised updated and expanded throughout the second edition reflects the advances that have been made in algorithms dsp hardware and applications since the publication of the first edition

until now the green roof movement has been limited to large scale professional endeavors and public buildings but homeowners everywhere are catching onto the benefits of a green roof water conservation energy savings and storm water management in small green roofs authors dunnett gedde little and snodgrass profile ordinary homeowners who scaled green roofs down to the domestic level small green roofs is the first book to focus on small scale and domestic green roofs more than forty profiles of small and domestic scale projects of all shapes and sizes include green roofs on sheds garden offices studios garages houses bicycle sheds and other small structures as well as several community projects for each project details are given for design construction and installation as well as how to tips on how the roof was planted and cared for for readers looking for inspiration when hiring a contractor or taking the adventurous step of building their own small green roofs provides the knowledge and encouragement to make it possible

this text provides the foundation material for solving problems in vibroacoustics these include the prediction of structural vibration levels and sound pressure levels in enclosed spaces resulting from known force or acoustic pressure excitations and the prediction of sound levels radiated by vibrating structures the book also provides an excellent theoretical basis for understanding the processes involved in software that predicts structural vibration levels and structural sound radiation resulting from force excitation of the structure as well as sound levels in enclosed spaces resulting from vibration of part of the enclosing structure or resulting from acoustic sources within the enclosure the book is written in an easy to understand style with detailed explanations of important concepts it begins with fundamental concepts in vibroacoustics and provides a framework for problem solution in both low and high frequency ranges it forms a primer for students and for those already well versed in vibroacoustics the book provides an extremely useful reference it offers a unified treatment of both acoustics and vibration fundamentals to provide a basis for solving problems involving structural vibration sound radiation from vibrating structures sound in enclosed spaces and propagation of sound and vibration

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Introduction

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