

The book was found

New Trends In Soil Micromorphology



Synopsis

The soil water retention curve, the saturated hydraulic conductivity and the unsaturated hydraulic conductivity function are basic soil hydraulic functions and parameters. Ample apprehension of the soil hydraulic functions and parameters is required for a successful formulation of the principles leading to sustainable soil management, agricultural production and environmental protection. From these, all the other parameters, required in the solution of the practical tasks, are derived. The basic soil hydraulic functions are strongly dependent upon the soil porous system. The development of models is characteristic by the gradual transition from the simplest concepts up to the sophisticated approaches, which should correspond to the visual reality studied by soil micromorphology.

2 Soil Porous System and Soil Micromorphometry

2.1 An Overview on the Quantification of the Soil Porous System

Quantification of the soil porous system consists of classification of soil pores, characterization of the soil pores shapes and the estimation of the pore size distribution function. When the hydraulic functions of the soil pores are considered, the following laws of hydrostatics and hydrodynamics are applied as best fitting to the classification criteria of the size of the pores (Kutilek and Nielsen 1994, p. 20, Kutilek 2004):

- Submicroscopic pores that are so small that they preclude clusters of water molecules from forming fluid particles or continuous water flow paths.

Book Information

Hardcover: 276 pages

Publisher: Springer; 2008 edition (October 24, 2008)

Language: English

ISBN-10: 3540791337

ISBN-13: 978-3540791331

Product Dimensions: 6.4 x 0.8 x 9.4 inches

Shipping Weight: 1.5 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #898,616 in Books (See Top 100 in Books) #139 in Books > Science & Math > Agricultural Sciences > Soil Science #1600 in Books > Science & Math > Earth Sciences > Geology #2714 in Books > Science & Math > Environment > Environmentalism

Customer Reviews

Very good!

[Download to continue reading...](#)

New Trends in Soil Micromorphology Trends in Hip-Hop Dance (Dance and Fitness Trends) (Dance & Fitness Trends) African Dance Trends (Dance and Fitness Trends) (Dance & Fitness Trends) Trends in Martial Arts (Dance and Fitness Trends) (Dance & Fitness Trends) Methods of Soil Analysis. Part 2. Microbiological and Biochemical Properties (Soil Science Society of America Book, No 5) (Soil Science Society of America Book Series) Coin World 2014 Guide to U.S. Coins: Prices & Value Trends (Coin World Guide to Us Coins, Prices & Value Trends) Nursing Today: Transition and Trends, 8e (Nursing Today: Transition & Trends (Zerwekh)) Line Dances Around the World (Dance and Fitness Trends) (Dance & Fitness Trends) Teens & Suicide (Gallup Youth Survey: Major Issues and Trends) (Gallup Youth Survey: Major Issues and Trends (Mason Crest)) The Soil Will Save Us: How Scientists, Farmers, and Ranchers Are Tending the Soil to Reverse Global Warming The Soul of Soil: A Soil-Building Guide for Master Gardeners and Farmers, 4th Edition Start With the Soil: The Organic Gardener's Guide to Improving Soil for Higher Yields, More Beautiful Flowers, and a Healthy, Easy-Care Garden Improving Your Soil: A Practical Guide to Soil Management for the Serious Home Gardener Taylor's Weekend Gardening Guide to Soil and Composting: The Complete Guide to Building Healthy, Fertile Soil (Taylor's Weekend Gardening Guides (Houghton Mifflin)) The living soil;: Evidence of the importance to human health of soil vitality, with special reference to post-war planning, Soil Water and Agronomic Productivity (Advances in Soil Science) Dynamics of WheelÃ¢ââSoil Systems: A Soil Stress and Deformation-Based Approach (Ground Vehicle Engineering) Balancing Soil Nutrients and Acidity: The Real Dirt on Cultivating Crops, Compost, and a Healthier Home (The Ultimate Guide to Soil Book 3) The Soil Will Save Us: How Scientists, Farmers, and Foodies Are Healing the Soil to Save the Planet Barna Trends 2017: What's New and What's Next at the Intersection of Faith and Culture

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)