

Soil Physics With Hydrus Modeling And Applications

"Soil physics";, ea4ddefef9

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Water that enters a field is removed from it by runoff, drainage, evaporation or transpiration. Runoff is the water that flows on the surface to the edge of the field; drainage is the water that flows through the soil downward or toward the edge of the field underground; evaporative water loss from a field is that part of the water that evaporates into the atmosphere directly from the field's surface; transpiration is the loss of water from the field by its evaporation from the plant itself. ea4ddefef9

List of Dutch discoveries were originally considered part of Piscis Austrinus (the southern fish). Indus represents an Indian, a word that The following list is composed of objects, concepts, phenomena and processes that were discovered or invented by people from the Netherlands. Hydrus' name means "male water snake"; ea4ddefef9

Water affects soil formation, structure, stability and erosion but is of primary... ea4ddefef9 "Pedology";, ea4ddefef9 "Soil morphology";, ea4ddefef9

Wikipedia:WikiProject Core Content/Articles liquefaction Soil mechanics Soil morphology Soil pH Soil physics Soil salinity control Soil science Soil steam sterilization Soil texture Soil type Soil vapor This is a list of all articles within the scope of WikiProject Core Content, for use as a Special:RelatedChanges feed ea4ddefef9

Wikipedia:Vital articles/data/Topic hierarchy.json "Soil type";, ea4ddefef9

Irrigation Irrigation helps to grow crops, maintain landscapes, and revegetate disturbed soils in dry areas and during times of below-average rainfall. In addition to these uses, irrigation is also employed to protect crops from frost, suppress weed growth in grain fields, and prevent soil consolidation. (2007). "Using HYDRUS-2D Simulation Model to Evaluate Wetted Soil Volume in Subsurface Drip Irrigation Systems". It is also used to cool livestock, reduce dust, dispose of sewage, and support mining operations. Drainage, which involves the removal of surface and sub-surface water from a given location, is often studied in conjunction. Journal of Irrigation and Drainage Engineering Irrigation (also referred to as watering of plants) is the practice of applying controlled amounts of water to land to help grow crops, landscape plants, and lawns. Irrigation has been a key aspect of agriculture for over 5,000 years and has been developed by many cultures around the world ea4ddefef9

"Soil health";, ea4ddefef9

Wikipedia:Vital articles/List of all articles · Soil mechanics · Soil morphology · Soil pH · Soil physics · Soil salinity control · Soil science · Soil steam sterilization · Soil texture · Soil type This page lists all Vital articles. It is a temporary solution until phab:T117122 is resolved. It is used in order to show recent changes ea4ddefef9

Soil moisture as Hydrus, by giving soil hydraulic parameters of hydraulic functions (water retention function and unsaturated hydraulic conductivity function) and initial Soil moisture is the water content of the soil. g. Soil moisture measurement can be based on in situ probes (e. It can be expressed in terms of volume or weight. , capacitance probes, neutron probes) or remote sensing methods ea4ddefef9

"Soil horizon";, ea4ddefef9 "Leaching (pedology)"; ea4ddefef9 "Soil erosion";, ea4ddefef9 The list contains 50,052 articles. --Cewbot (talk) 14:18, 26 August 2025 (UTC) ea4ddefef9

Hydrus (software) HYDRUS suite of software is supported by an interactive graphics-based interface for data-preprocessing, discretization of the soil profile, and graphic presentation of the results. , soils). g. Hydrus is a suite of Windows-based modeling software that can be used for analysis of water flow, heat and solute transport in variably saturated porous Hydrus is a suite of Windows-based modeling software that can be used for analysis of water flow, heat and solute transport in variably saturated porous media (e. While HYDRUS-1D simulates water flow, solute and heat transport in one-dimension, and is a public domain software, HYDRUS 2D/3D extends the simulation capabilities to the second and third dimensions, and is distributed commercially ea4ddefef9

Wikipedia:Database reports/Unused templates/9 This report is updated every day. 2018-11-19 2019-02-13 4 7 Did you know nominations/Hydrus 2013-09-13 2021-05-12 4 4 Did you know nominations/Hydrus (roller coaster) 2017-06-01 2017-07-17 4 9 Unused templates (filtered); data as of 08:18, 26 August 2025 (UTC) ea4ddefef9

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