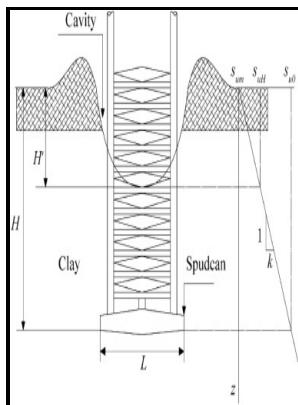


# Numerical investigation of the movement of gases through the unsaturated zone

University of Birmingham - Investigation of the Movement of Water and Contaminants through Unsaturated Soils



Description: -

-Numerical investigation of the movement of gases through the unsaturated zone

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## A REVIEW ON THE STUDY OF IMMISCIBLE FLUID FLOW IN UNSATURATED POROUS MEDIA: MODELING AND REMEDIATION

Heat Dissipation Probe Measurements of Matric Potential Heat dissipation probes HDPs were also used to monitor matric potentials in the soil profile.

### 14.2 Groundwater Flow

In recent years, monitoring ground-water quality has become routine at many industrial sites to detect if ground water has become contaminated by surface activities. These previous studies show that the science of unsaturated-zone hydrology is young and that the techniques employed continue to have significant uncertainties.

### Numerical Modeling on the Effect of Dissolved Oxygen on Nitrogen Transformation and Transport in Unsaturated Porous System

The geochemical composition of ground water is determined in large part by the mineral dissolution reactions that contribute ions to the water system.

### 3 RECHARGE THROUGH THE UNSATURATED ZONE

In the real-world application, numerical results show that the coupling model can obtain satisfactory simulation results with fairly little computational cost.

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