

INFLUENCING OF A CAPILLARY PRESSURE ON ADEFORMABILITY AND STRENGTH OF CLAYEY SOILS

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The capillary phenomena in soils were studied by the miscellaneous writers. The outcomes of these researches are set briefly up. The special devices for direct simple measurement of a capillary pressure and methods of its count were not earlier designed at calculations of earthen facilities and basis.

The writer designs the device for complex (integrated) accelerated definition of properties of soils, including capillary pressure. The tests of a plenty of different clayey soils are executed (made). It is established, that the influencing of a capillary pressure on a compressibility of a soil is commensurable with operating of external and household pressure. The technique of the count of a capillary pressure in calculations a deposit (residue) of earthen facilities is offered. The technique of recalculation of strength properties is given at steep of a soil.