Record Nr. UNINA9910463309103321 Advances in unsaturated soils / / editor, Bernardo Caicedo; co-editors, **Titolo** Carol Murillo, Laureano Hoyos, Julio Esteban Colmenares, Ivan Rafael Berdugo Boca Raton, Fla.:,: CRC Press,, 2013 Pubbl/distr/stampa **ISBN** 0-203-77107-9 Descrizione fisica 1 online resource (610 p.) Altri autori (Persone) CaicedoBernardo MurilloCarol HoyosLaureano R. <1972-> ColmenaresJulio Esteban Berdugolvan Rafael Disciplina 631.43 Soggetti Soil mechanics Soil moisture Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Proceedings of the first Pan-American conference on unsaturated soils, Note generali Cartagena de Indias, Colombia, 20-22 February 2013. Includes bibliographical references. Nota di bibliografia Nota di contenuto Front Cover: Table of contents: Preface: Organization committees: Acknowledgements; Sponsors; Keynotes lectures; Interactions between atmosphere and geosphere-difficulties in measuring evaporation; Interpretation of soil-water characteristic curves when volume change occurs as soil suction is changed; Ventilation effects in an argillaceous

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Multi-dimensional swelling behavior of Al-Qatif expansive soils

Sommario/riassunto

New theories and testing techniques related with Unsaturated Soil Mechanics have proven to be valuable tools to study a broad spectrum of geo-materials which includes rocks, rock fills, frozen soils and domiciliary solid wastes. These new theories and testing techniques have permitted the analysis of several traditional problems from a new perspective (e.g., swelling or collapsible soils and compacted soils or pavements materials), and they have also shown their efficiency to study new energy-related problems like CO2 sequestration and nuclear waste disposal. Advances in Unsaturated Soils is a