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Towards a Unified Soil Mechanics Theory: The use of effective stresses in unsaturated soils

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About the ebook

In this book, an analytical equation for the effective stress for unsaturated soils is established. This equation requires the knowledge of the superficial area of solids affected by the capillary phenomenon. This e-book demonstrates that the same strength and volume change equations used in saturated soil mechanics can be used for the case of unsaturated soils. In other words, the constitutive models developed for saturated soils can be used for unsaturated materials once the effective stress equation has been defined.

Contents

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- ▶ General Elastoplastic Framework

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