Kapitel 1

Understanding Hypoplasticity

1.1 Hypoplasticity model for clays

Parameters :

Parameters taken from Mašın, D. (2014). Géotechnique 64, No. 3, 232-238 [http://dx.doi.org/10.1680/geot.13.P.065] Parameter description from: https://web.natur.cuni.cz/uhigug/masin/plaxumat/node6.html

critical state friction angle shift of the mean stress due to cohesion parameters of the basic hypoplastic model for clays ratio of horisontal and vertical shear moduli parameters of the model for clays with meta-stable; parameters of the model for clays with meta-stable; parameters of the model for clays with meta-stable; Intergranular strain concept parameters Intergranular strain concept parameters Very small strain shear stiffness parameters Very small strain shear stiffness parameters Intergranular strain concept parameters Sherifies vertical direction in PLAXIS ratio of horizontal and vertical Young moduli ratio of horizontal and vertical Poisson ratios	Value Comments	21.9	$1 \cdot 10^{-5}$	78 0.095	75 0.015	83	75 0.1	7	e structure o	e structure o		$5 \cdot 10^{-5}$	0.08	6.0	270	I	0.5	0	3 takes value 0, 1 or 2, z vertical \rightarrow 2	0	0		oundary surface o	0	oundary surface o
	shift of the mean stress due to cohesion parameters of the basic hypoplastic model for clays parameters of the basic hypoplastic model for clays	the mean stress due to cohesion ters of the basic hypoplastic model for clays ters of the basic hypoplastic model for clays	ters of the basic hypoplastic model for clays ters of the basic hypoplastic model for clays	ters of the basic hypoplastic model for clays	ters of the basic humanlastic model for class	cers of the dasic his populastic hindren for clays	Parameters of the basic hypoplastic model for clays	horisontal and vertical shear moduli	parameters of the model for clays with meta-stable structure	parameters of the model for clays with meta-stable structure	parameters of the model for clays with meta-stable structure	anular strain concept parameters	anular strain concept parameters	anular strain concept parameters	nall strain shear stiffness parameters	nall strain shear stiffness parameters	anular strain concept parameter	odulus of water	s vertical direction in PLAXIS	horizontal and vertical Young moduli	horizontal and vertical Poisson ratios	Additional control of non-linearity inside state boundary surface		Sid with Se september idetion ratio	IIII LIAI VOIG FALIO OF OVETCONSONGALION FALIO