

Steady state for how we define infiltration: would like probabilistic, then transient

Add deterministic analysis

Add bivariate distributions

Steady state: saturated and unsaturated

Add $(2c' + c_R)$ in second part

$$FS(z) = \frac{\tan \phi'(z)}{\tan \beta} + \frac{2c'}{\gamma (H_{wt} - z) \sin 2\beta} - \frac{\sigma^s}{\gamma (H_{wt} - z)} (\tan \beta + \cot \beta) \tan \phi'(z)$$

Saturated

$$FS(z) = \frac{\tan \phi'(z)}{\tan \beta} + \frac{2c'}{\gamma (H_{wt} - z) \sin 2\beta}$$

Unsaturated

Show on same graph

Show differences between water table lvl on same graph

Function of depth

C_R as function of depth (when i get the functions)

Make sure to email tasnia with a description on what i'm doing and CC idil