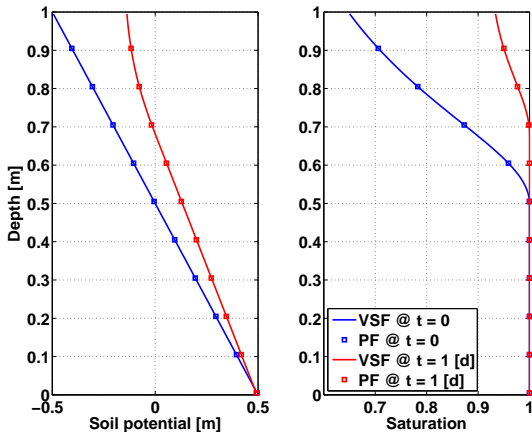


# Water table dynamics

- ▶ Soils are same as in Celia et al. (1990)<sup>1</sup>.
- ▶ Conditions
  - ▶ IC : Hydrostatic condition with water table at 0.5 [m]
  - ▶ BC: Top flux =  $2.5 \times 10^{-5}$  [m s<sup>-1</sup>]
- ▶ The simulated steady state water table depth at  $t = 1$ [d] is 0.7 [m], which agrees with PFLOTRAN results.



<sup>1</sup>Celia, M. A., E. T. Bouloutas, and R. L. Zarba (1990), A general mass-conservative numerical solution for the unsaturated flow equation, *Water Resour. Res.*, 26(7), 1483-1496, doi:10.1029/WR026i007p01483