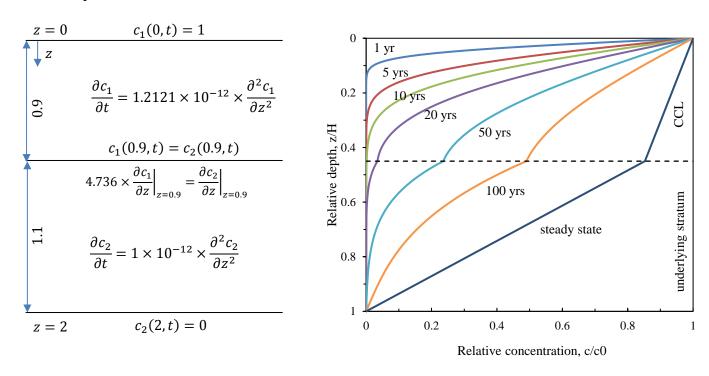
## Leachate diffusion from two-layer soil

compacted clay liner or CCL is at the top, natural stratum with thickness  $h_2$  at the bottom. Leachate seeps from the top and reaches the bottom.



**Figure 1.** Problem statement (left) and analytical solution using Fourier series (right) Find  $c_1(z,t)$  and  $c_2(z,t)$  at t=(1, 5, 10, 20, 50, 100 and 1000)×(365×86400)

## Reference

Li, Y. C., & Cleall, P. J. (2010). Analytical solutions for contaminant diffusion in double-layered porous media. *Journal of Geotechnical and Geoenvironmental Engineering*, *136*(11), 1542-1554. <a href="https://ascelibrary.org/doi/abs/10.1061/(ASCE)GT.1943-5606.0000365">https://ascelibrary.org/doi/abs/10.1061/(ASCE)GT.1943-5606.0000365</a>