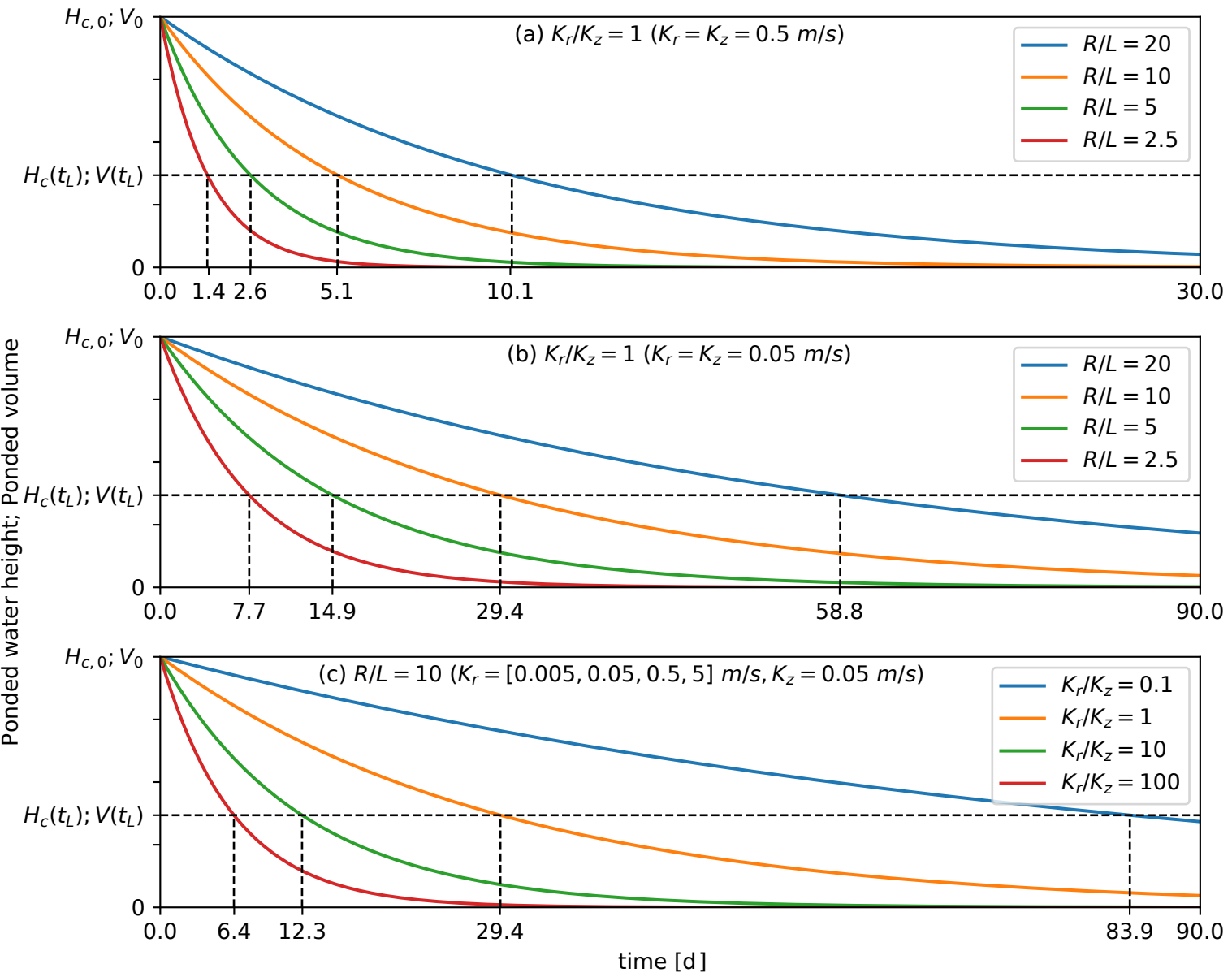
(a) $K_r/K_z = 1$ ($K_r = K_z = 0.5$ $m/s$)
$R/L = 20$
$R/L = 10$
$R/L = 5$
$R/L = 2.5$
$H_{c,0}; V_0$
$H_c(t_L); V(t_L)$
0
0.0
1.4
2.6
5.1
10.1
30.0
(b) $K_r/K_z = 1$ ($K_r = K_z = 0.05$ $m/s$)
$R/L = 20$
$R/L = 10$
$R/L = 5$
$R/L = 2.5$
$H_{c,0}; V_0$
$H_c(t_L); V(t_L)$
0
0.0
7.7
14.9
29.4
58.8
90.0
(c) $R/L = 10$ ($K_r = [0.005, 0.05, 0.5, 5]$ $m/s, K_z = 0.05$ $m/s$)
$K_r/K_z = 0.1$
$K_r/K_z = 1$
$K_r/K_z = 10$
$K_r/K_z = 100$
$H_{c,0}; V_0$
$H_c(t_L); V(t_L)$
0
0.0
6.4
12.3
29.4
83.9
90.0
Ponded water height; Ponded volume
time [d]