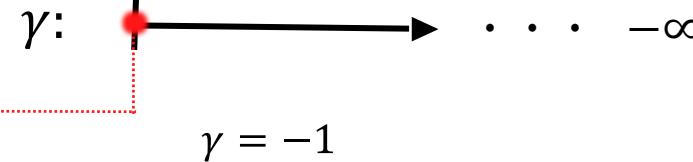
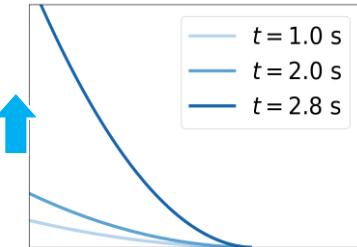
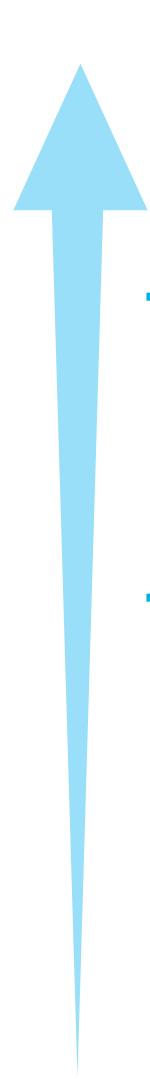
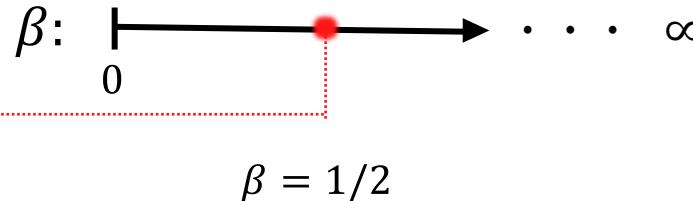
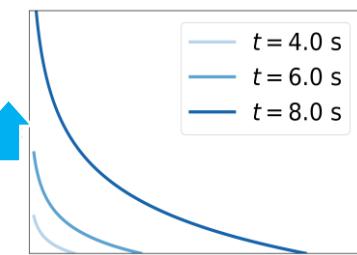


Classification of three types of similarity solutions

The rate of water-level rise at the inlet

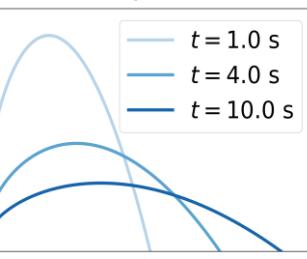


Type III

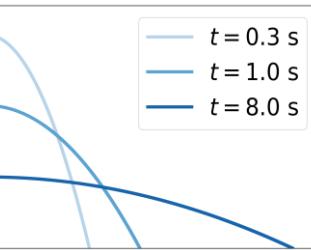


Type II

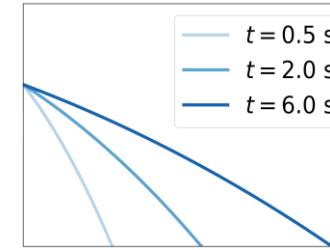
$\alpha:$



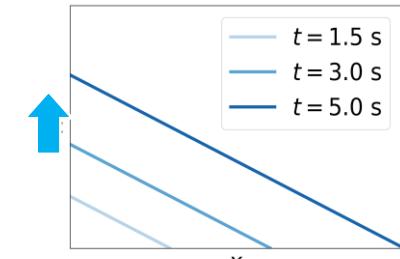
$\alpha = -1/2$



$\alpha = -1/3$



$\alpha = 0$



$\alpha = 1$

Type I