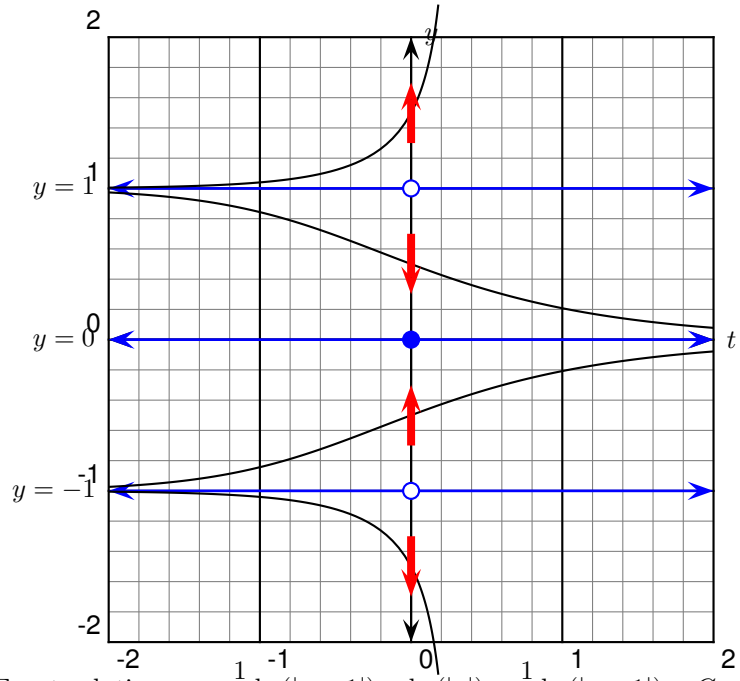


Exact solution: $x = \frac{1}{2}\ln(|y-1|) - \ln(|y|) + \frac{1}{2}\ln(|y+1|) + C$

With C adjustable for initial condition:

- in $[-\infty; -1[$ or $]1 : +\infty;]$: $C \approx 0.293893332451$;
- in $]-1; 0[$ or $]0; 1[$: $C \approx -0.549306144334$

Comparison between approximative plotting (black) & exact solution (**green**):

