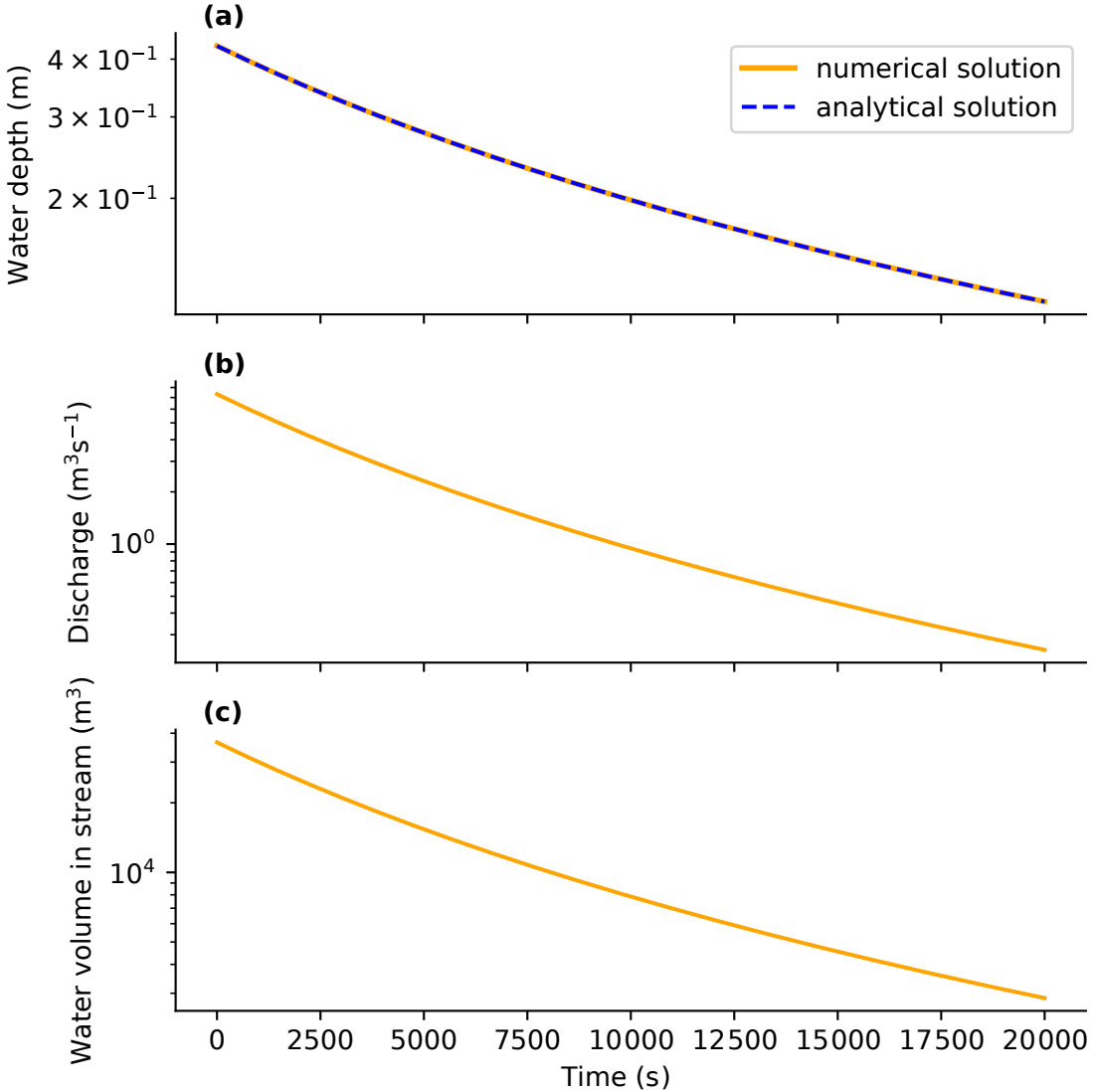
(a)
Water depth (m)
$4 \times 10^{-1}$
$3 \times 10^{-1}$
$2 \times 10^{-1}$
numerical solution
analytical solution
(b)
Discharge ($m^3s^{-1}$)
$10^0$
(c)
Water volume in stream ($m^3$)
$10^4$
0
2500
5000
7500
10000
12500
15000
17500
20000
Time (s)