

1 TorchHydroNODES

1.1 Single-basin models

1.1.1 MLP – Euler / different time steps

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Table 1: Euler method with different time steps (*NSE* value).

Basin	Period	Time step (days)						RK23
		0.1	0.5	1.0	2.0	3.0	5.0	
01013500	train	x	0.946	0.948	0.929	0.802	0.632	0.934
	test	y	0.897	0.897	0.872	0.722	0.630	0.872
06431500	train	a	0.061	0.549	-0.089	0.3745	0.200	a
	test	b	0.338	-0.135	-3.156	-0.001	-0.135	b

params: $mlp=32 \times 5$, $lr=1e^{-4}$, $epochs=100$, $batch=256$.