

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
	Python & ML Basics					
7	8	9	10	11	12	13
	Paper 1		Paper 2		Neural ODE	
14	15	16	17	18	19	20
	Paper 3 (team)				Contest	
	Own problem (personal)					

Paper 1. [arXiv:2011.13726v2](https://arxiv.org/abs/2011.13726v2)

Paper 2. [arXiv:2209.05203v3](https://arxiv.org/abs/2209.05203v3)

Paper 3. [arXiv:2401.06417v2](https://arxiv.org/abs/2401.06417v2)

Contest (Team & Personal)

Fri. 10 am

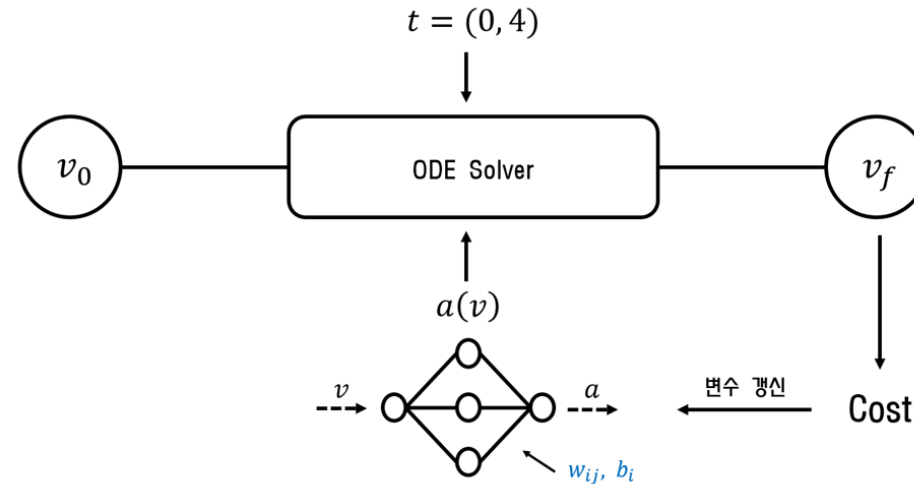
Neural ODEs

Training Data : (v_0, V_f)

Model
(Neural Network) : $a(v)$ ← w_{ij}, b_i

ODE Solver : v_0
 $a(v) \rightarrow v_f$
 $t = (0, 1)$

Cost : $avg(|v_f - V_f|)$



Docs.

Sec. 3.1 in arXiv:2401.00939

Sec. 4.1 in arXiv:2406.07395v1

ODE solvers

1st. Euler method like previous paper

2nd. Dopri5 using the package "torchdiffeq"(recommend) or "xitorch"