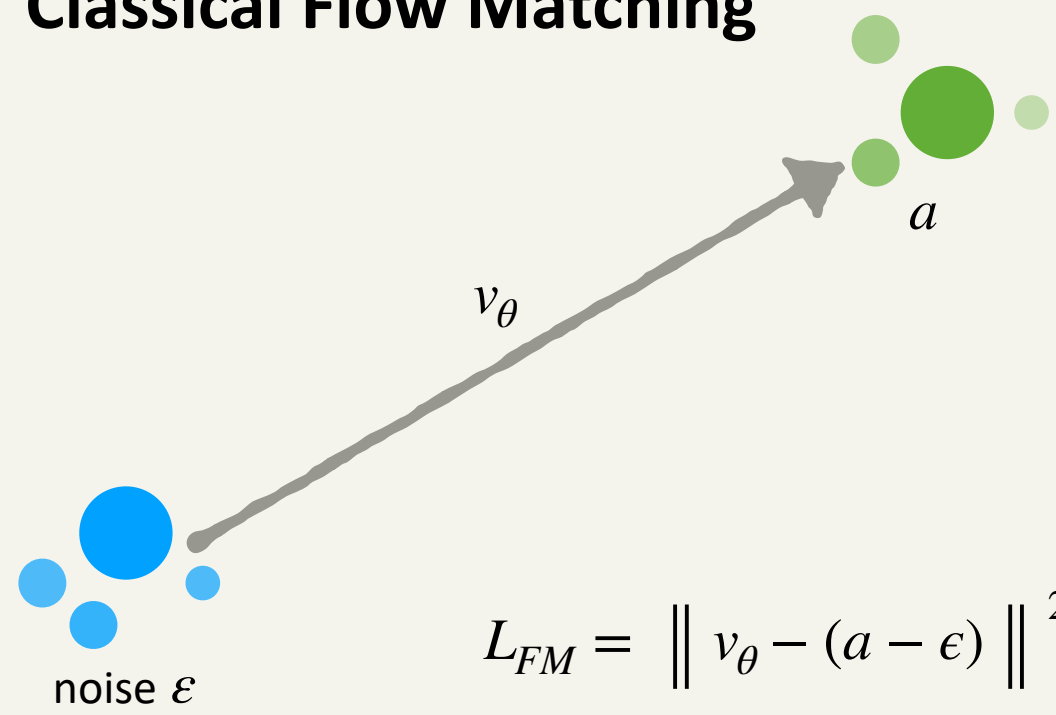
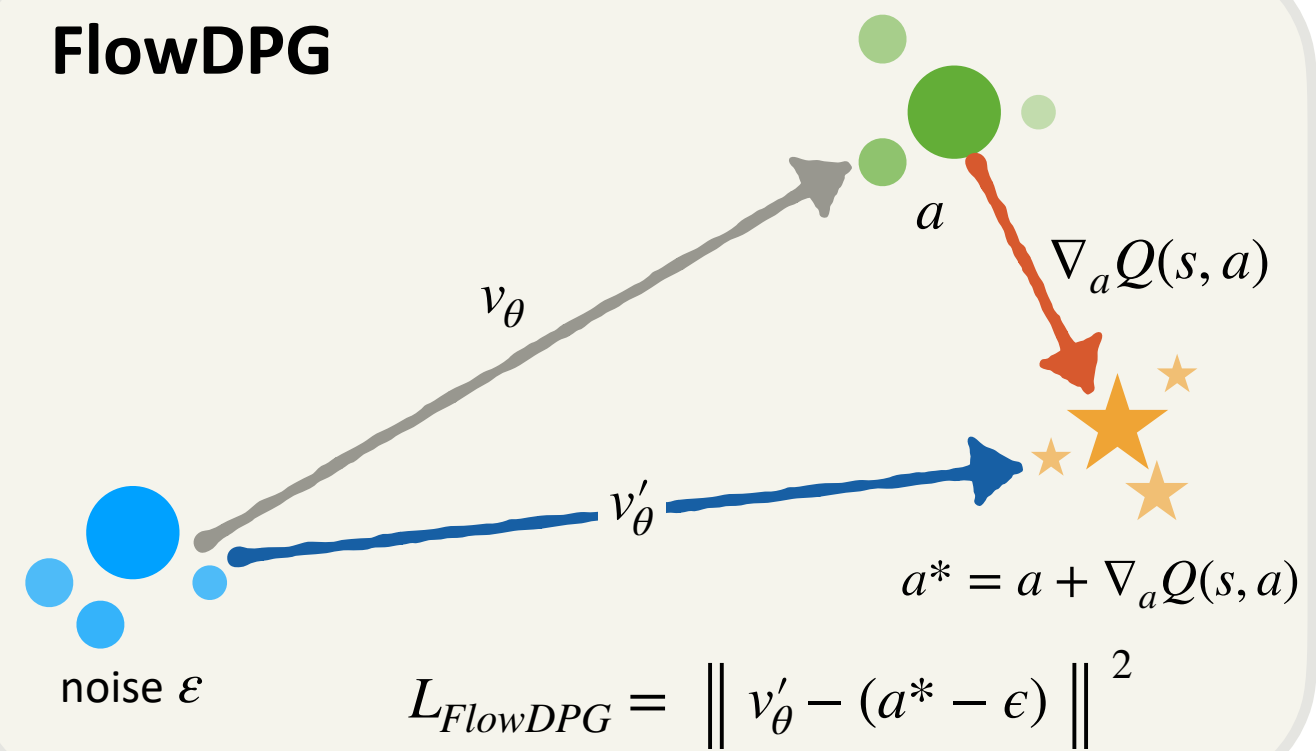


### Classical Flow Matching



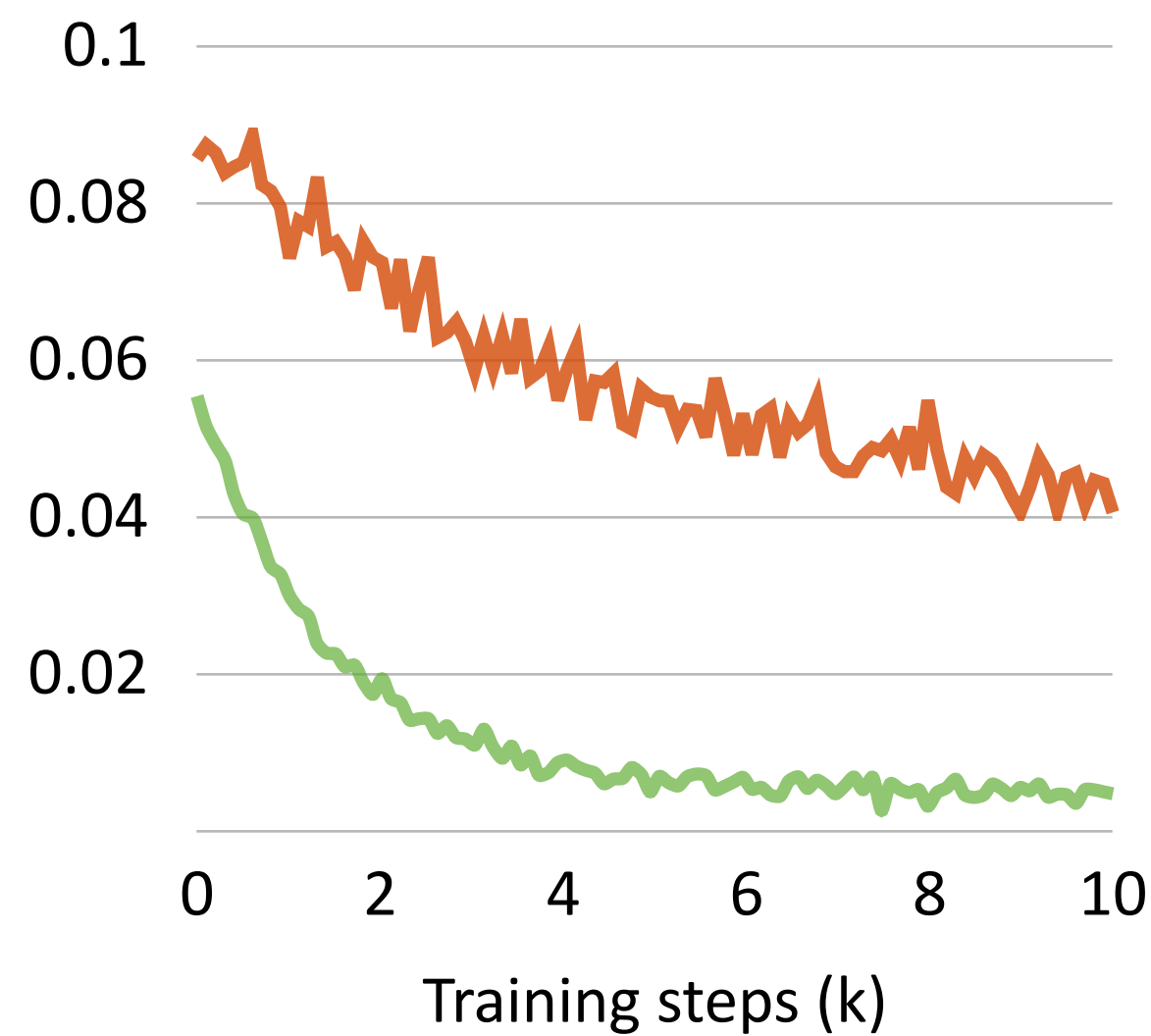
$$L_{FM} = \left\| v_\theta - (a - \epsilon) \right\|^2$$

### FlowDPG

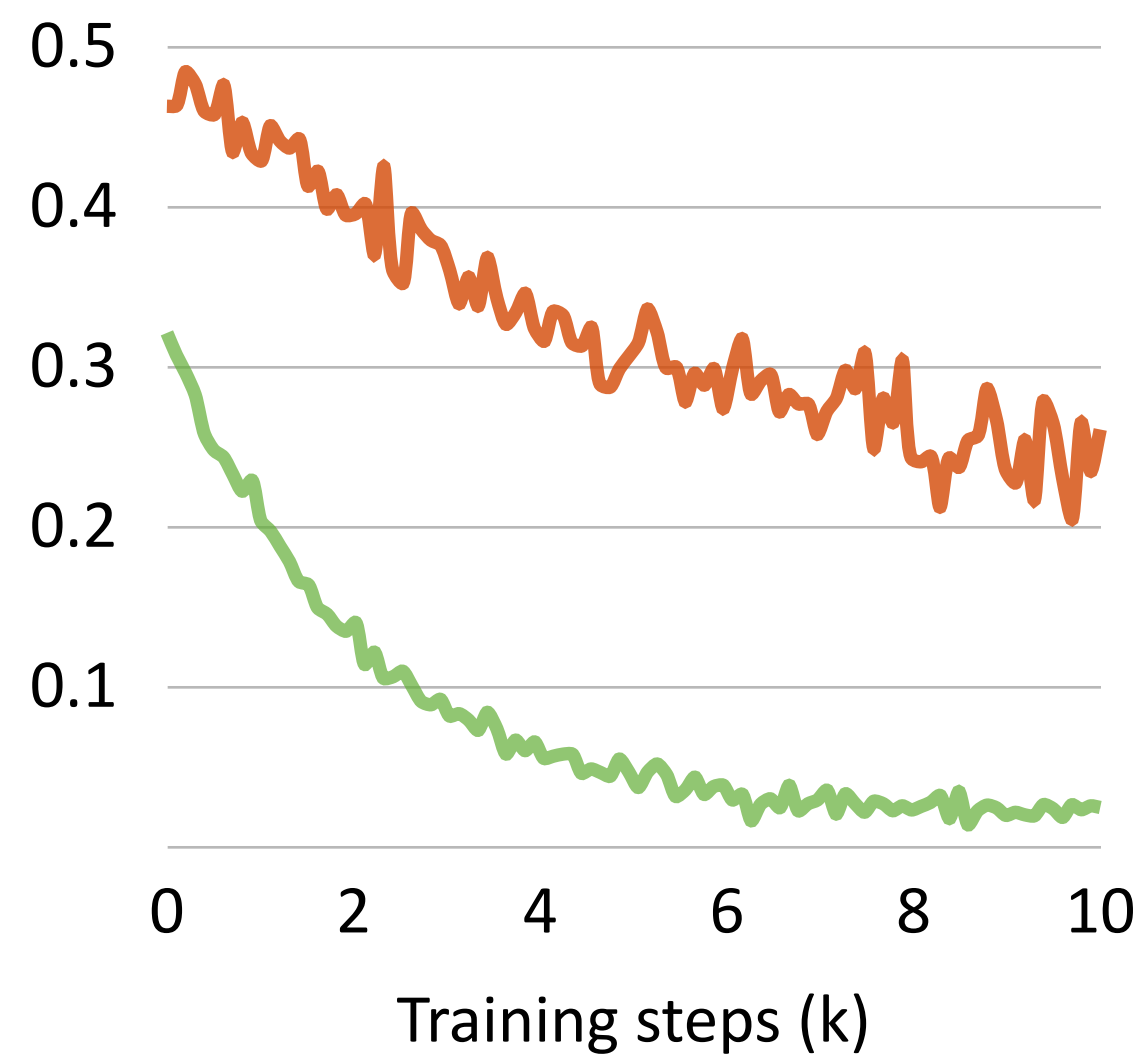


$$L_{FlowDPG} = \left\| v'_\theta - (a^* - \epsilon) \right\|^2$$

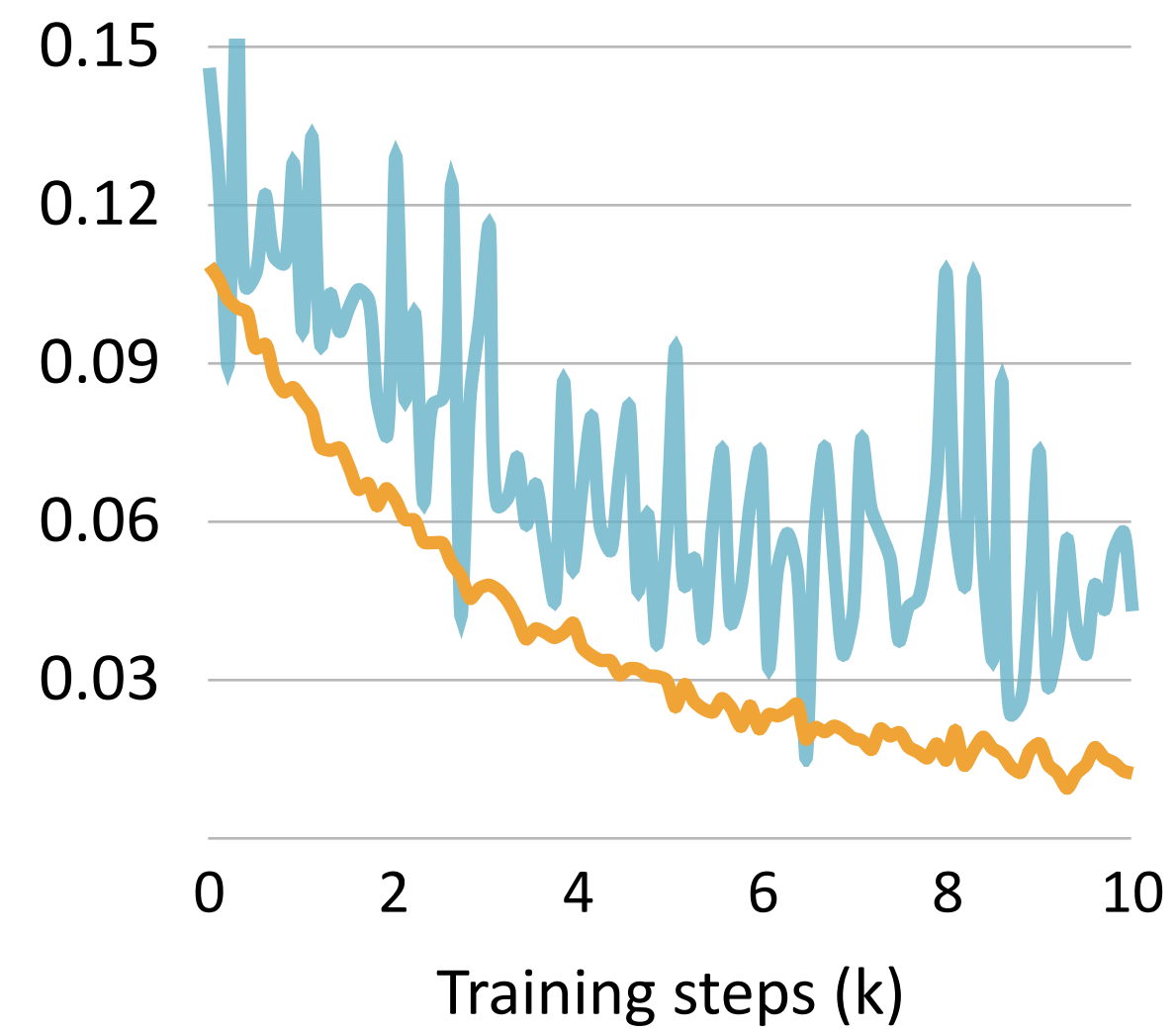
**(a) Projection Error**



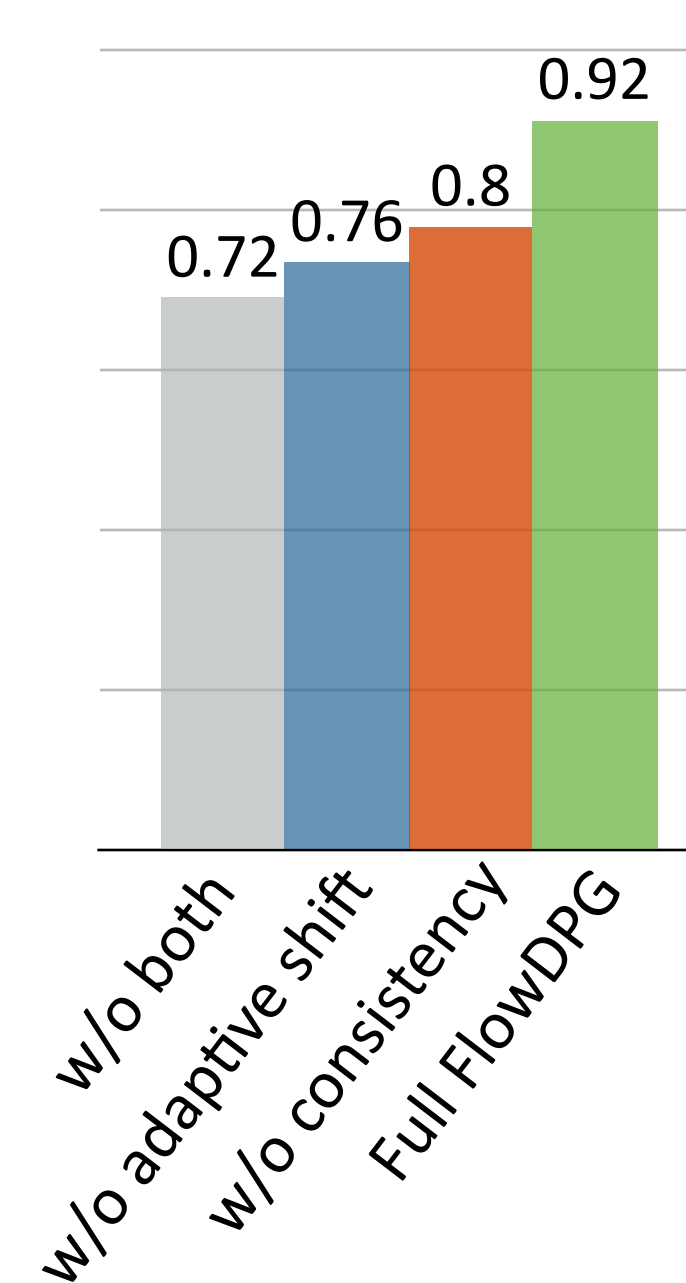
**(b) Q-value Discrepancy**



**(c) Training Loss**



**(d) Success Rate**



— w/o consistency      — w/ consistency      — w/o adaptive shift      — w/ adaptive shift

### Stage coverage under reward ablation

