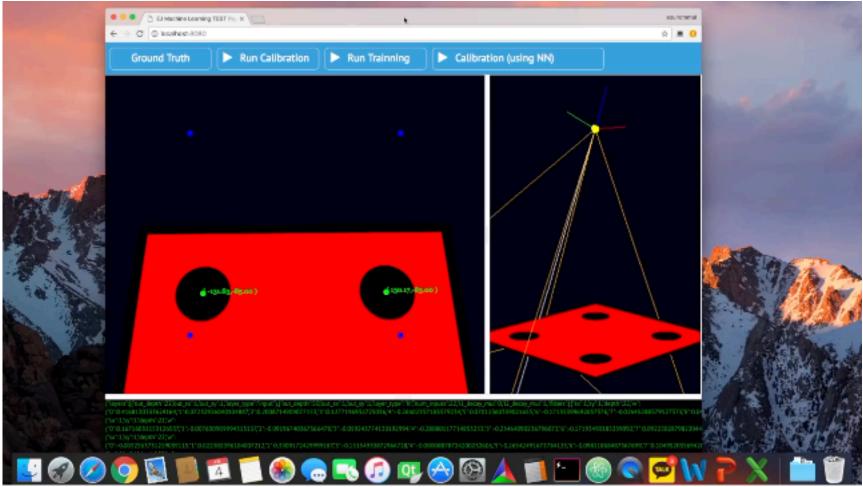




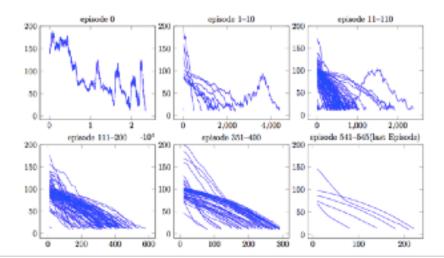
M

PERIME

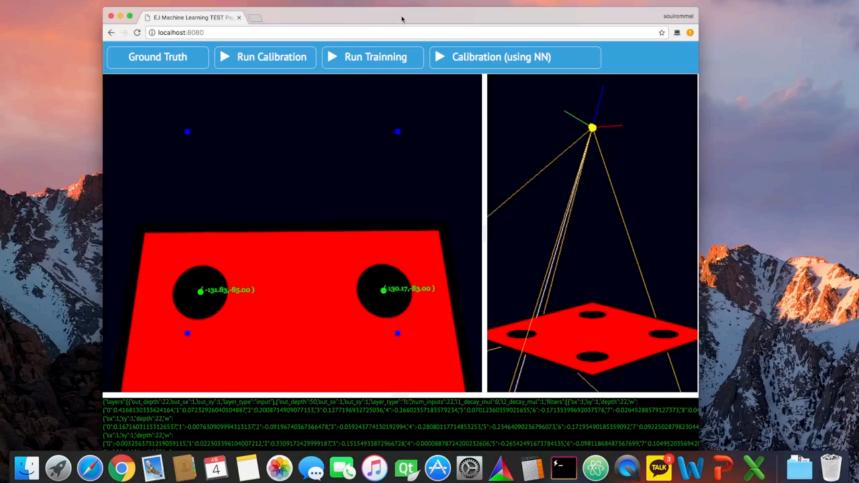


```
    camera.RandomPosition()

2: for t in T do
        a_t = \operatorname{argmax}(Q(s, a; \theta))
3:
4:
        cam_{pos} = cam_{pos} + a_t
        E_t = \text{Error}(x_{t+1}) - \text{Error}(x_t)
5:
        if E \ge 0 then
6:
            r_t = 1.0
7:
        else
8:
            r_t = -1.0
9:
          agent.Backward(r_t)
        if r_t leq 10.0 then cam_{pos} = random
10:
```

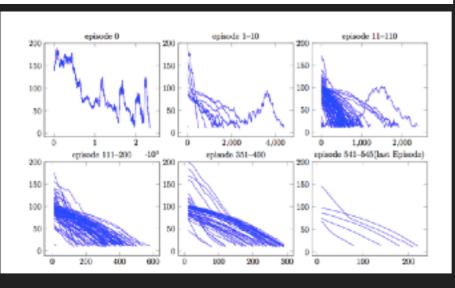


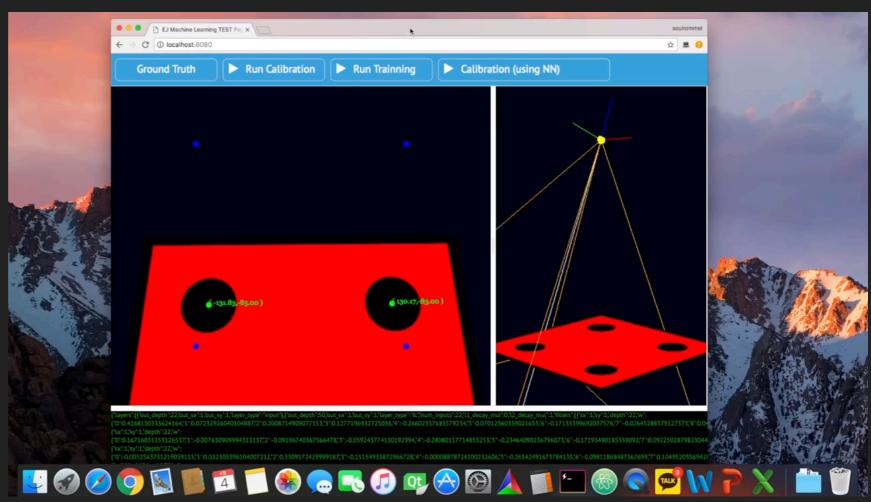
▶ Episode Start : Camera Random Position ▶ Episode Done : When Error < N



EXPERIMENT

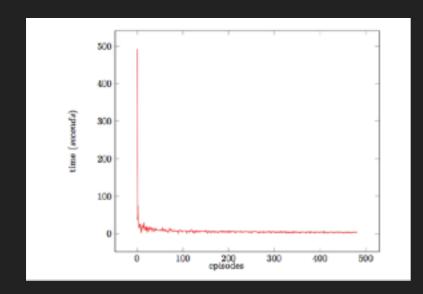
```
1: camera.RandomPosition()
2: for t in T do
3: a_t = \operatorname{argmax}(Q(s, a; \theta))
4: cam_{pos} = cam_{pos} + a_t
5: E_t = \operatorname{Error}(x_{t+1}) - \operatorname{Error}(x_t)
6: if E \geq 0 then
7: r_t = 1.0
8: else
9: r_t = -1.0
agent.Backward(r_t)
10: if r_t leq 10.0 then cam_{pos} = random
```



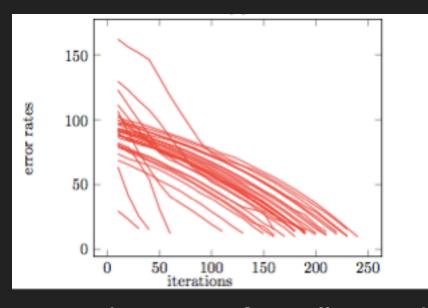


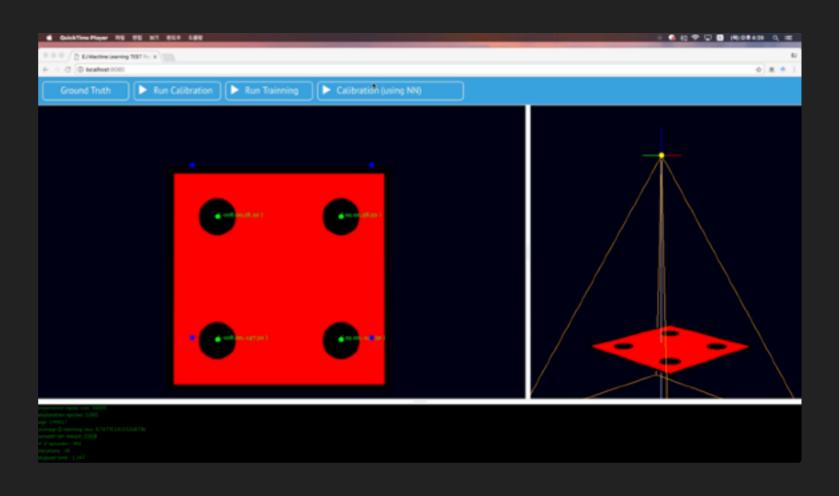
- Episode Start : Camera Random Position
- Episode Done : When Error < N</p>

RESULT



decreasing time as episodes repeated





error rate decreasing for well-trained network