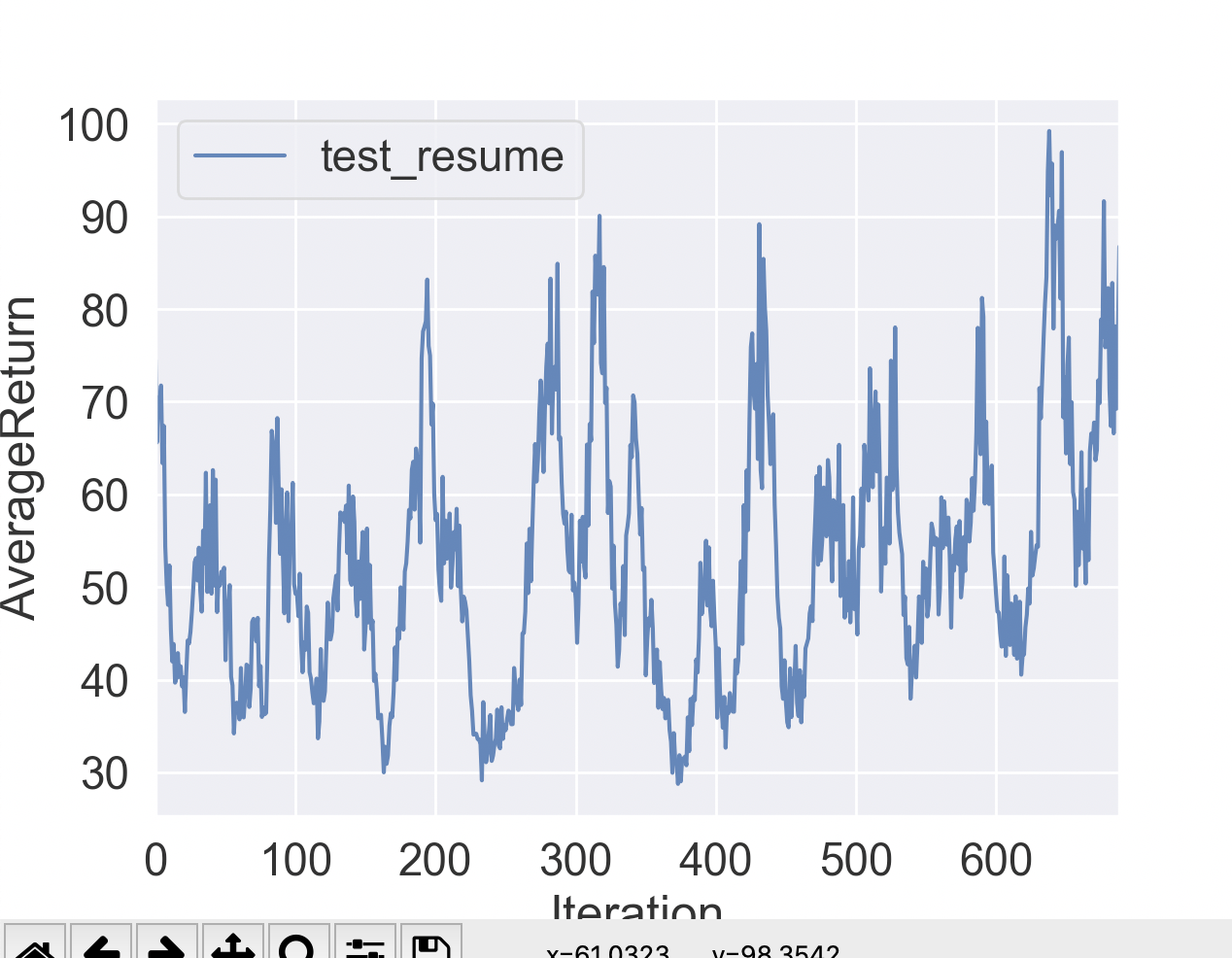
Log of gravity ball training

This is what happened when I restarted the training with a reward about 80 this is for the discrete case with the movement speed of 10



Run that model with

python train\_pg\_f18.py GB\_game -ep 10000 -n 10 -l 2 -s 64 -b 30000 -rc -rp --num\_enemies 4 --gb\_discrete --output\_activation None --render --run\_model\_only my\_save\_loc/gcloud/test\_resume\_GB\_game\_18-12-2019\_19-24-10.ckpt --gb\_max\_speed 10

It’s beautiful.

After 3k iterations, looks like

A screenshot of a cell phone

Description automatically generated

And it’s much more beautiful running.

Note that I really need to parallelize the process of generating data. The double cpu doesn’t even run much faster at all!

Now with the more training we’ve got

A screenshot of a cell phone

Description automatically generated

Trained using: screen python train\_pg\_f18.py GB\_game -ep 10000 --discount 0.99 -n 10000 -l 2 -s 64 -b 100000 -lr 10e-4 --exp\_name resume\_best\_train -rc -rp --save\_models --save\_best\_model --script\_optimizing\_dir gb\_discrete --num\_enemies 4 --gb\_discrete --output\_activation None --gb\_max\_speed 10 --resume\_string my\_save\_loc/gb\_discrete/test\_resume\_GB\_game\_18-12-2019\_19-24-10.ckpt

Transfer the data stuff w/

matthewhunt@matthews-mbp ~ % gcloud compute scp --recurse instance-1:/home/matthewhunt/deep\_rl\_course/homework/hw2/data/gb\_discrete/resume\_best\_train\_GB\_game\_20-12-2019\_04-11-41 Coding/RL\_Stuff/berkley\_rl\_course/homework/hw2/my\_save\_loc/gcloud

Ran it with:

python train\_pg\_f18.py GB\_game -ep 10000 -n 10 -l 2 -s 64 -b 30000 -rc -rp --num\_enemies 4 --gb\_discrete --output\_activation None --render --run\_model\_only my\_save\_loc/gcloud/resume\_best\_train\_GB\_game\_20-12-2019\_04-11-41.ckpt --gb\_max\_speed 10

It’s saved in photos and it’s epic.