

I solved the environment with the following algorithm executed from the command line:

```
python -m spinup.run ppo --exp_name LunarLander43 --env LunarLander-v2 --clip_ratio 0.2 --hid "[128,64]" --gamma 0.999 --vf_lr 0.0024 --seed 20 --epochs 50 --pi_lr 0.0002 --data_dir /path/ --dt
```

Subsequently, I tested the policy:

```
python -m spinup.run test_policy /path/ -n 100 -nr
```

And the following results were returned:

```
/anaconda3/lib/python3.6/importlib/_bootstrap.py:219: RuntimeWarning: compiletime version 3.5 of module 'tensorflow.python.framework.fast_tensor_util' does not match runtime version 3.6
```

```
    return f(*args, **kwargs)
```

```
/anaconda3/lib/python3.6/site-packages/h5py/__init__.py:36: FutureWarning: Conversion of the second argument of issubdtype from `float` to `np.floating` is deprecated. In future, it will be treated as `np.float64 == np.dtype(float).type`.
```

```
    from ._conv import register_converters as _register_converters
```

```
/anaconda3/lib/python3.6/importlib/_bootstrap.py:219: RuntimeWarning: compiletime version 3.5 of module 'tensorflow.python.framework.fast_tensor_util' does not match runtime version 3.6
```

```
    return f(*args, **kwargs)
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```
/anaconda3/lib/python3.6/site-packages/h5py/__init__.py:36: FutureWarning: Conversion of the second argument of issubdtype from `float` to `np.floating` is deprecated. In future, it will be treated as `np.float64 == np.dtype(float).type`.
```

```
    from ._conv import register_converters as _register_converters
```

```
2018-11-23 20:21:49.751639: I tensorflow/core/platform/cpu_feature_guard.cc:141] Your CPU supports instructions that this TensorFlow binary was not compiled to use: AVX2 FMA
```

```
Using default action op.
```

Logging data to /tmp/experiments/1543022510/progress.txt

```
Episode 0   EpRet 275.346   EpLen 538
```

```
Episode 1   EpRet 244.005   EpLen 626
```

```
Episode 2   EpRet 224.351   EpLen 572
```

Episode 3	EpRet 207.617	EpLen 708
Episode 4	EpRet 220.642	EpLen 521
Episode 5	EpRet 213.514	EpLen 709
Episode 6	EpRet 211.801	EpLen 728
Episode 7	EpRet 220.573	EpLen 454
Episode 8	EpRet 210.234	EpLen 524
Episode 9	EpRet 244.714	EpLen 609
Episode 10	EpRet 107.295	EpLen 1000
Episode 11	EpRet 221.437	EpLen 656
Episode 12	EpRet 226.305	EpLen 923
Episode 13	EpRet 199.421	EpLen 483
Episode 14	EpRet 44.245	EpLen 1000
Episode 15	EpRet 189.166	EpLen 558
Episode 16	EpRet 102.036	EpLen 1000
Episode 17	EpRet 240.339	EpLen 561
Episode 18	EpRet 207.348	EpLen 494
Episode 19	EpRet 188.782	EpLen 623
Episode 20	EpRet 240.567	EpLen 507
Episode 21	EpRet 190.266	EpLen 482
Episode 22	EpRet 207.898	EpLen 517
Episode 23	EpRet 184.958	EpLen 488
Episode 24	EpRet 221.387	EpLen 755
Episode 25	EpRet 207.094	EpLen 682
Episode 26	EpRet 239.950	EpLen 448
Episode 27	EpRet 209.909	EpLen 632
Episode 28	EpRet 274.164	EpLen 434
Episode 29	EpRet 221.215	EpLen 710
Episode 30	EpRet 250.491	EpLen 700
Episode 31	EpRet 221.643	EpLen 603
Episode 32	EpRet 238.146	EpLen 724

Episode 33	EpRet 238.369	EpLen 525
Episode 34	EpRet 263.438	EpLen 818
Episode 35	EpRet 257.948	EpLen 442
Episode 36	EpRet 211.078	EpLen 919
Episode 37	EpRet 217.848	EpLen 482
Episode 38	EpRet 217.826	EpLen 545
Episode 39	EpRet 222.702	EpLen 483
Episode 40	EpRet 194.993	EpLen 641
Episode 41	EpRet 205.168	EpLen 529
Episode 42	EpRet 219.296	EpLen 674
Episode 43	EpRet 260.781	EpLen 488
Episode 44	EpRet 240.745	EpLen 465
Episode 45	EpRet 191.866	EpLen 529
Episode 46	EpRet 244.116	EpLen 709
Episode 47	EpRet 252.709	EpLen 601
Episode 48	EpRet 239.148	EpLen 514
Episode 49	EpRet 223.686	EpLen 542
Episode 50	EpRet 70.791	EpLen 1000
Episode 51	EpRet 161.084	EpLen 594
Episode 52	EpRet 232.968	EpLen 536
Episode 53	EpRet 135.372	EpLen 673
Episode 54	EpRet 110.354	EpLen 1000
Episode 55	EpRet 134.873	EpLen 551
Episode 56	EpRet 228.307	EpLen 552
Episode 57	EpRet -0.086	EpLen 412
Episode 58	EpRet 216.584	EpLen 546
Episode 59	EpRet 232.054	EpLen 653
Episode 60	EpRet 211.022	EpLen 807
Episode 61	EpRet 237.964	EpLen 526
Episode 62	EpRet 235.344	EpLen 545

Episode 63	EpRet 239.866	EpLen 504
Episode 64	EpRet 188.054	EpLen 794
Episode 65	EpRet 250.034	EpLen 462
Episode 66	EpRet 201.611	EpLen 553
Episode 67	EpRet 231.182	EpLen 537
Episode 68	EpRet 208.038	EpLen 463
Episode 69	EpRet 238.622	EpLen 544
Episode 70	EpRet 199.985	EpLen 756
Episode 71	EpRet 92.523	EpLen 697
Episode 72	EpRet 233.222	EpLen 566
Episode 73	EpRet -18.460	EpLen 494
Episode 74	EpRet 244.159	EpLen 769
Episode 75	EpRet 211.336	EpLen 492
Episode 76	EpRet 237.421	EpLen 527
Episode 77	EpRet 185.453	EpLen 623
Episode 78	EpRet 62.939	EpLen 1000
Episode 79	EpRet 117.904	EpLen 1000
Episode 80	EpRet 123.821	EpLen 1000
Episode 81	EpRet 198.599	EpLen 665
Episode 82	EpRet 220.052	EpLen 682
Episode 83	EpRet 191.338	EpLen 504
Episode 84	EpRet 219.921	EpLen 518
Episode 85	EpRet 160.998	EpLen 527
Episode 86	EpRet 223.112	EpLen 543
Episode 87	EpRet 202.105	EpLen 479
Episode 88	EpRet 215.405	EpLen 554
Episode 89	EpRet 195.275	EpLen 491
Episode 90	EpRet 229.268	EpLen 962
Episode 91	EpRet 121.893	EpLen 766
Episode 92	EpRet 226.061	EpLen 663

Episode 93	EpRet 222.392	EpLen 679
Episode 94	EpRet 219.781	EpLen 608
Episode 95	EpRet 205.713	EpLen 508
Episode 96	EpRet 211.280	EpLen 646
Episode 97	EpRet 209.790	EpLen 565
Episode 98	EpRet 171.620	EpLen 512
Episode 99	EpRet 96.628	EpLen 1000

AverageEpRet	200
StdEpRet	54.8
MaxEpRet	275
MinEpRet	-18.5
EpLen	629
