CW3 Report

20151028
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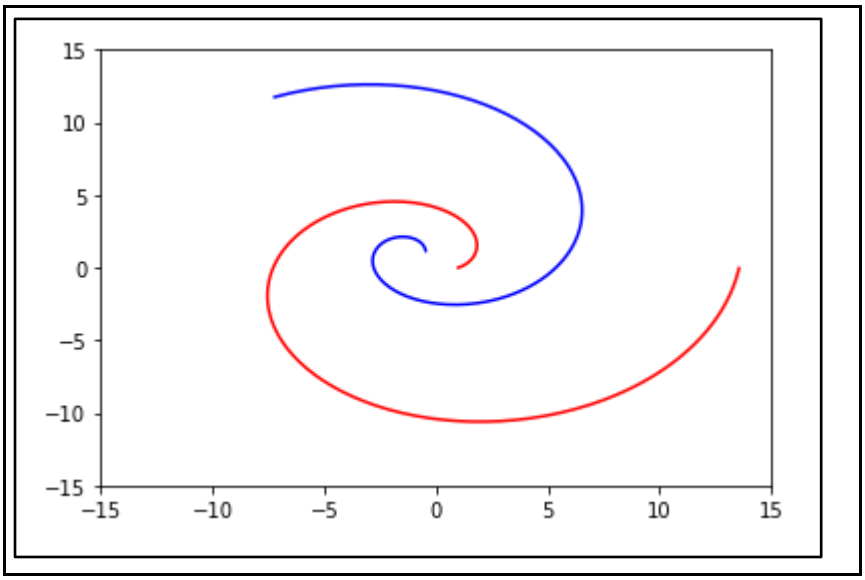
1. Hyperparameters
    - Learning Rate=0.1
    - Layers = 4
    - the number of neurons
        i. L1=64
        ii. L2=32
        iii. L3=32
        iv. L4=1
    - the number of Iteration = 100,000
2. Visualized Output



In [113]:
```
print(dot)
dot=result
plt.xlim(-15,15)
plt.ylim(-15,15)
plt.plot(dot[["in1"]],dot[["in2"]],color='blue')
```

```
        in1   in2       out
0     -15.0 -15.0  0.000241
1     -15.0 -14.7  0.000173
2     -15.0 -14.4  0.000119
3     -15.0 -14.1  0.000077
4     -15.0 -13.8  0.000048
...     ...   ...       ...
10197  15.0  14.1  0.996261
10198  15.0  14.4  0.996816
10199  15.0  14.7  0.997270
10200  15.0  15.0  0.997619
10201   0.0   0.0  0.993495

[10202 rows x 3 columns]
```

Out[113]:
```
[<matplotlib.lines.Line2D at 0x2ab32b7ac70>]
```