

```
import matplotlib.pyplot as plt
import MFModel
import MLPModel
import MFMLPModel
```

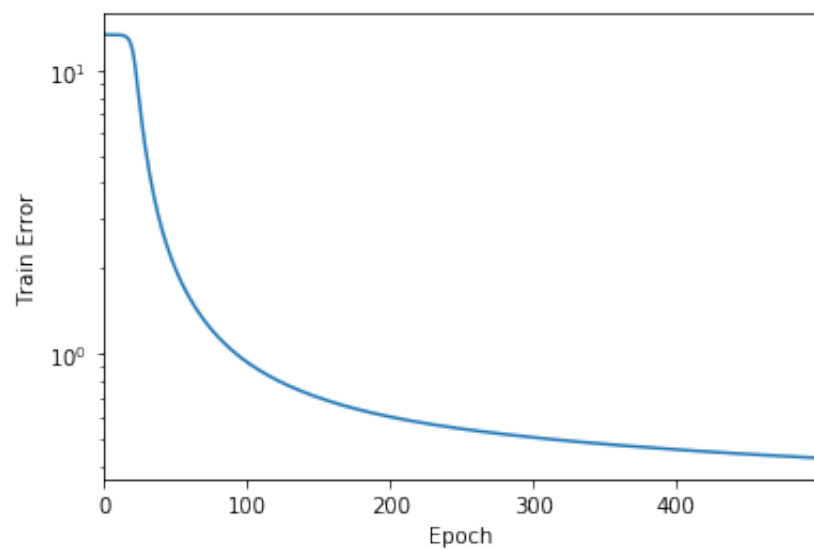
Using TensorFlow backend.

```
M1 = MFModel.MFModel()
```

```
M1.eval()
```

```
MF model test err = 1.1158908942924153
```

```
M1.pplot()
```

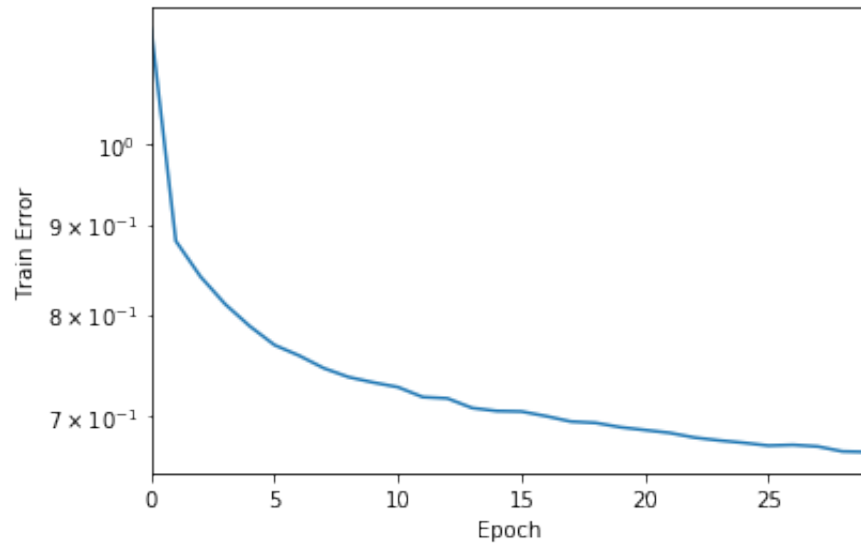


```
M2 = MLPModel.MLPModel(epochs=30)
```

```
M2.eval()
```

```
MLP Model test err = 0.8817833194572684
```

```
M2.pplot()
```



```
M3 = MFMLPModel.MFMLPModel(epochs=30, mf_latent=8,  
learning_rate=0.005)
```

```
M3.eval()
```

```
MF-MLP model test err = 0.865658663149873
```

```
M3.pplot()
```

