## light\_data\_4.1/result1/4.7:

- 1. /mix\_bias\_amp: 对所有 bias、amp 训练一个统一的网络出来。发送信号是bpsk 分布的随机信号,发送速率为 10M,接收速率 60M。先用一部分数据训练一个网络,并将其保存;然后导出这个网络,再用另一部分数据接着训练。这样的话训练数据量就是之前的多倍。与 4.3 不同的是,这次用的程序是自定义训练的程序。
- 1.1 /Threenonlinear1: 用 4.1/data/amp0.1613、amp0.32106、amp0.48082、amp0.64058、amp0.8003、amp1 的数据来训练, cell 个数为 300, 即对每个 amp-bias 组合, 都把 300 个 cell 放进训练数据集。

## light\_data\_4.1/result2/4.10:

- 1. /trainedNet: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp 中训练好的网络来测试其他数据的性能。测试数据为不同 bias、不同 amp 的数据,且数据归一化。
- 1.1 /v1.1: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime1/net1 中训练好的网络来测试 4.1/data/amp0.1613 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime1/net1 The data used is data\_save/light\_data\_4.1/data/10M/amp0.1613

1.2 /v1.2: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime1/net1 中训练好的网络来测试 4.1/data/amp0.32106 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime1/net1 The data used is data\_save/light\_data\_4.1/data/10M/amp0.32106

1.3 /v1.3: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime1/net1 中训练好的网络来测试 4.1/data/amp0.48082 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime1/net1 The data used is data\_save/light\_data\_4.1/data/10M/amp0.48082

1.4 /v1.4: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime1/net1 中训练好的网络来测试 4.1/data/amp0.64058 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime1/net1 The data used is data\_save/light\_data\_4.1/data/10M/amp0.64058

1.5 /v1.5: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime1/net1 中训练好的网络来测试 4.1/data/amp0.8003 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime1/net1 The data used is data\_save/light\_data\_4.1/data/10M/amp0.8003

1.6 /v1.6: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime1/net1 中训练好的网络来测试 4.1/data/amp1 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime1/net1 The data used is data\_save/light\_data\_4.1/data/10M/amp1

2.1 /v2.1: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime1/net36 中训练好的网络来测试 4.1/data/amp0.1613 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime1/net36
The data used is data\_save/light\_data\_4.1/data/10M/amp0.1613

2.2 /v2.2: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime1/net36 中训练好的网络来测试 4.1/data/amp0.32106 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime1/net36 The data used is data\_save/light\_data\_4.1/data/10M/amp0.32106

2.3 /v2.3: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime1/net36 中训练好的网络来测试 4.1/data/amp0.48082 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime1/net36 The data used is data\_save/light\_data\_4.1/data/10M/amp0.48082

2.4 /v2.4: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime1/net36 中训练好的网络来测试 4.1/data/amp0.64058 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime1/net36 The data used is data\_save/light\_data\_4.1/data/10M/amp0.64058

2.5 /v2.5: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime1/net36 中训练好的网络来测试 4.1/data/amp0.8003 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime1/net36 The data used is data\_save/light\_data\_4.1/data/10M/amp0.8003

2.6 /v2.3: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime1/net36 中训练好的网络来测试 4.1/data/amp1 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime1/net36 The data used is data\_save/light\_data\_4.1/data/10M/amp1

3.1 /v3.1: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime2/net1 中训练好的网络来测试 4.1/data/amp0.1613 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime2/net1
The data used is data\_save/light\_data\_4.1/data/10M/amp0.1613

3.2 /v3.2: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime2/net1 中训练好的网络来测试 4.1/data/amp0.32106 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime2/net1
The data used is data\_save/light\_data\_4.1/data/10M/amp0.32106

3.3 /v3.3: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime2/net1 中训练好的网络来测试 4.1/data/amp0.48082 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime2/net1 The data used is data\_save/light\_data\_4.1/data/10M/amp0.48082

3.4 /v3.4: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime2/net1 中训练好的网络来测试 4.1/data/amp0.64058 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime2/net1 The data used is data\_save/light\_data\_4.1/data/10M/amp0.64058

3.5 /v3.5: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime2/net1 中训练好的网络来测试 4.1/data/amp0.8003 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime2/net1 The data used is data\_save/light\_data\_4.1/data/10M/amp0.8003

3.6 /v3.6: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime2/net1 中训练好的网络来测试 4.1/data/amp1 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime2/net1 The data used is data\_save/light\_data\_4.1/data/10M/amp1

4.1 /v4.1: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime2/net36 中训练好的网络来测试 4.1/data/amp0.1613 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime2/net36 The data used is data save/light data 4.1/data/10M/amp0.1613

4.2 /v4.7: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime2/net36 中训练好的网络来测试 4.1/data/amp0.32106 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime2/net36 The data used is data\_save/light\_data\_4.1/data/10M/amp0.32106

4.3 /v4.3: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime2/net36 中训练好的网络来测试 4.1/data/amp0.48082 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime2/net36 The data used is data\_save/light\_data\_4.1/data/10M/amp0.48082

4.4 /v4.4: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime2/net36 中训练好的网络来测试 4.1/data/amp0.64058 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime2/net36 The data used is data\_save/light\_data\_4.1/data/10M/amp0.64058

4.5 /v4.5: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime2/net36 中训练好的网络来测试 4.1/data/amp0.8003 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime2/net36
The data used is data\_save/light\_data\_4.1/data/10M/amp0.8003

4.6 /v4.6: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime2/net36 中训练好的网络来测试 4.1/data/amp1 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime2/net36 The data used is data\_save/light\_data\_4.1/data/10M/amp1

5.1 /v5.1: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime3/net1 中训练好的网络来测试 4.1/data/amp0.1613 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime3/net1 The data used is data\_save/light\_data\_4.1/data/10M/amp0.1613

5.2 /v5.2: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime3/net1 中训练好的网络来测试 4.1/data/amp0.32106 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime3/net1 The data used is data\_save/light\_data\_4.1/data/10M/amp0.32106

5.3 /v5.3: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime3/net1 中训练好的网络来测试 4.1/data/amp0.48082 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime3/net1
The data used is data\_save/light\_data\_4.1/data/10M/amp0.48082

5.4 /v5.4: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime3/net1 中训练好的网络来测试 4.1/data/amp0.64058 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime3/net1 The data used is data\_save/light\_data\_4.1/data/10M/amp0.64058

5.5 /v5.5: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime3/net1 中训练好的网络来测试 4.1/data/amp0.8003 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime3/net1 The data used is data\_save/light\_data\_4.1/data/10M/amp0.8003

5.6 /v5.6: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime3/net1 中训练好的网络来测试 4.1/data/amp1 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime3/net1
The data used is data\_save/light\_data\_4.1/data/10M/amp1

6.1 /v6.1: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime3/net36 中训练好的网络来测试 4.1/data/amp0.1613 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime3/net36 The data used is data\_save/light\_data\_4.1/data/10M/amp0.1613

6.2 /v6.2: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime3/net36 中训练好的网络来测试 4.1/data/amp0.32106 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime3/net36 The data used is data\_save/light\_data\_4.1/data/10M/amp0.32106

6.3 /v6.3: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime3/net36 中训练好的网络来测试 4.1/data/amp0.48082 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime3/net36 The data used is data\_save/light\_data\_4.1/data/10M/amp0.48082

6.4 /v6.4: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime3/net36 中训练好的网络来测试 4.1/data/amp0.64058 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime3/net36 The data used is data\_save/light\_data\_4.1/data/10M/amp0.64058

6.5 /v6.5: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime3/net36 中训练好的网络来测试 4.1/data/amp0.8003 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime3/net36
The data used is data\_save/light\_data\_4.1/data/10M/amp0.8003

6.6 /v6.6: 用 light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime3/net36 中训练好的网络来测试 4.1/data/amp1 中数据的性能

The network used is data\_save/light\_data\_4.1/result1/4.7/mix\_bias\_amp/Threenonlinear1/net/looptime3/net36 The data used is data\_save/light\_data\_4.1/data/10M/amp1