9]:

X\_melspec = np.load('/share/音乐分类2/GTZAN/without\_split\_features/melspec\_feature\_2048.npy')

y = np.load('/share/音乐分类2/GTZAN/onehot\_labels.npy')

X\_melspec = process\_data\_for\_conv2D(X\_melspec)

print(X\_melspec.shape)

print(y.shape)

(1000, 647, 128, 1)

(1000, 10)

1 fold train loss 0.2503 train acc 0.9313, val loss 0.2184 val acc 0.9300, test loss 0.2431 test acc 0.9100

Start 2 fold training

2 fold train loss 0.2777 train acc 0.9213, val loss 0.1385 val acc 0.9500, test loss 0.1629 test acc 0.9300

Start 3 fold training

3 fold train loss 0.3425 train acc 0.9113, val loss 0.2361 val acc 0.9400, test loss 0.5508 test acc 0.8600

Start 4 fold training

4 fold train loss 0.2571 train acc 0.9337, val loss 0.4968 val acc 0.9400, test loss 0.5946 test acc 0.9000

Start 5 fold training

5 fold train loss 0.2122 train acc 0.9400, val loss 0.2603 val acc 0.9200, test loss 0.2578 test acc 0.9300

Start 6 fold training

6 fold train loss 0.2957 train acc 0.9213, val loss 0.3014 val acc 0.9500, test loss 0.4186 test acc 0.9000

Start 7 fold training

7 fold train loss 0.2901 train acc 0.9287, val loss 0.2548 val acc 0.9300, test loss 0.2185 test acc 0.9400

Start 8 fold training

8 fold train loss 0.3215 train acc 0.9175, val loss 0.2099 val acc 0.9300, test loss 0.5343 test acc 0.8800

Start 9 fold training

9 fold train loss 0.2570 train acc 0.9213, val loss 0.2144 val acc 0.9500, test loss 0.3469 test acc 0.9200

Start 10 fold training

10 fold train loss 0.2517 train acc 0.9350, val loss 0.2323 val acc 0.9300, test loss 0.1949 test acc 0.9400

10 fold train loss avg 0.2756 train acc avg 0.9261, val loss avg 0.2563 val acc avg 0.9370, test loss avg 0.3522 test acc avg 0.9110