			t/s, loss=0.155]	=0.2475, 验证损失		/s, loss=0.161]	=0.0896, 验证损失		t/s, loss=0.0555]	=0.0655, 验证损失		/s, loss=0.0756]	=0.0503, 验证损失		/s, loss=0.0325]	=0.0428, 验证损失		/s, loss=0.018]	=0.0376, 验证损失	/s, loss=0.158]	
f			750/750 [00:42<00:00, 17.66it/s, loss=0.155]	0/750 [00:00 , ?it/s]Epoch 1: 训练损失=0.2475, 验证损失</td <td></td> <td>750/750 [02:06<00:00, 5.92it/s, loss=0.161]</td> <td> 0/750 [00:00<?, ?it/s]Epoch 2: 训练损失=0.0896, 验证损失</td><td></td><td> 750/750 [00:21 < 00:00, 35.69it/s, loss = 0.0555]</td><td> 0/750 [00:00<?, ?it/s]Epoch 3: 训练损失=0.0655, 验证损失</td><td></td><td>750/750 [02:18<00:00, 5.41it/s, loss=0.0756]</td><td> 0/750 [00:00<?, ?it/s]Epoch 4: 训练损失=0.0503, 验证损失</td><td></td><td>750/750 [02:17<00:00, 5.44it/s, loss=0.0325]</td><td> 0/750 [00:00<?, ?it/s]Epoch 5: 训练损失=0.0428, 验证损失</td><td></td><td> 750/750 [02:19<00:00, 5.39it/s, loss=0.018]</td><td> 0/750 [00:00<?, ?it/s]Epoch 6: 训练损失=0.0376, 验证损失</td><td>750/750 [02:19<00:00, 5.38it/s, loss=0.158]</td><td></td></td></td></td></td></td>		750/750 [02:06<00:00, 5.92it/s, loss=0.161]	0/750 [00:00 , ?it/s]Epoch 2: 训练损失=0.0896, 验证损失</td <td></td> <td> 750/750 [00:21 < 00:00, 35.69it/s, loss = 0.0555]</td> <td> 0/750 [00:00<?, ?it/s]Epoch 3: 训练损失=0.0655, 验证损失</td><td></td><td>750/750 [02:18<00:00, 5.41it/s, loss=0.0756]</td><td> 0/750 [00:00<?, ?it/s]Epoch 4: 训练损失=0.0503, 验证损失</td><td></td><td>750/750 [02:17<00:00, 5.44it/s, loss=0.0325]</td><td> 0/750 [00:00<?, ?it/s]Epoch 5: 训练损失=0.0428, 验证损失</td><td></td><td> 750/750 [02:19<00:00, 5.39it/s, loss=0.018]</td><td> 0/750 [00:00<?, ?it/s]Epoch 6: 训练损失=0.0376, 验证损失</td><td>750/750 [02:19<00:00, 5.38it/s, loss=0.158]</td><td></td></td></td></td></td>		750/750 [00:21 < 00:00, 35.69it/s, loss = 0.0555]	0/750 [00:00 , ?it/s]Epoch 3: 训练损失=0.0655, 验证损失</td <td></td> <td>750/750 [02:18<00:00, 5.41it/s, loss=0.0756]</td> <td> 0/750 [00:00<?, ?it/s]Epoch 4: 训练损失=0.0503, 验证损失</td><td></td><td>750/750 [02:17<00:00, 5.44it/s, loss=0.0325]</td><td> 0/750 [00:00<?, ?it/s]Epoch 5: 训练损失=0.0428, 验证损失</td><td></td><td> 750/750 [02:19<00:00, 5.39it/s, loss=0.018]</td><td> 0/750 [00:00<?, ?it/s]Epoch 6: 训练损失=0.0376, 验证损失</td><td>750/750 [02:19<00:00, 5.38it/s, loss=0.158]</td><td></td></td></td></td>		750/750 [02:18<00:00, 5.41it/s, loss=0.0756]	0/750 [00:00 , ?it/s]Epoch 4: 训练损失=0.0503, 验证损失</td <td></td> <td>750/750 [02:17<00:00, 5.44it/s, loss=0.0325]</td> <td> 0/750 [00:00<?, ?it/s]Epoch 5: 训练损失=0.0428, 验证损失</td><td></td><td> 750/750 [02:19<00:00, 5.39it/s, loss=0.018]</td><td> 0/750 [00:00<?, ?it/s]Epoch 6: 训练损失=0.0376, 验证损失</td><td>750/750 [02:19<00:00, 5.38it/s, loss=0.158]</td><td></td></td></td>		750/750 [02:17<00:00, 5.44it/s, loss=0.0325]	0/750 [00:00 , ?it/s]Epoch 5: 训练损失=0.0428, 验证损失</td <td></td> <td> 750/750 [02:19<00:00, 5.39it/s, loss=0.018]</td> <td> 0/750 [00:00<?, ?it/s]Epoch 6: 训练损失=0.0376, 验证损失</td><td>750/750 [02:19<00:00, 5.38it/s, loss=0.158]</td><td></td></td>		750/750 [02:19<00:00, 5.39it/s, loss=0.018]	0/750 [00:00 , ?it/s]Epoch 6: 训练损失=0.0376, 验证损失</td <td>750/750 [02:19<00:00, 5.38it/s, loss=0.158]</td> <td></td>	750/750 [02:19<00:00, 5.38it/s, loss=0.158]	
			750/750	0/750 [00:00 , ? </td <td>91)</td> <td> 750/750</td> <td> 0/750 [00:00<?, ? </td><td>46)</td><td> 750/750</td><td> 0/750 [00:00<?, ? </td><td>82)</td><td> 750/75(</td><td> 0/750 [00:00<?, ? </td><td>50)</td><td> 750/750</td><td> 0/750 [00:00<?, ? </td><td>(90</td><td> 750/750</td><td> 0/750 [00:00<?, ? </td><td> 750/75(</td><td></td></td></td></td></td></td>	91)	750/750	0/750 [00:00 , ? </td <td>46)</td> <td> 750/750</td> <td> 0/750 [00:00<?, ? </td><td>82)</td><td> 750/75(</td><td> 0/750 [00:00<?, ? </td><td>50)</td><td> 750/750</td><td> 0/750 [00:00<?, ? </td><td>(90</td><td> 750/750</td><td> 0/750 [00:00<?, ? </td><td> 750/75(</td><td></td></td></td></td></td>	46)	750/750	0/750 [00:00 , ? </td <td>82)</td> <td> 750/75(</td> <td> 0/750 [00:00<?, ? </td><td>50)</td><td> 750/750</td><td> 0/750 [00:00<?, ? </td><td>(90</td><td> 750/750</td><td> 0/750 [00:00<?, ? </td><td> 750/75(</td><td></td></td></td></td>	82)	750/75(0/750 [00:00 , ? </td <td>50)</td> <td> 750/750</td> <td> 0/750 [00:00<?, ? </td><td>(90</td><td> 750/750</td><td> 0/750 [00:00<?, ? </td><td> 750/75(</td><td></td></td></td>	50)	750/750	0/750 [00:00 , ? </td <td>(90</td> <td> 750/750</td> <td> 0/750 [00:00<?, ? </td><td> 750/75(</td><td></td></td>	(90	750/750	0/750 [00:00 , ? </td <td> 750/75(</td> <td></td>	750/75(
)	使用设备: cpn	开始训练CNN模型	Epoch 1/20 [训练]: 100% ■■	Epoch 2/20 [训练]: 0%	保存最佳模型 (验证损失: 0.059	Epoch 2/20 [训练]: 100% ■	Epoch 3/20 [训练]: 0%	保存最佳模型 (验证损失: 0.044)	Epoch 3/20 [训炼]: 100% ■	Epoch 4/20 [训练]: 0%	保存最佳模型 (验证损失: 0.038	Epoch 4/20 [训练]: 100%	Epoch 5/20 [训练]: 0%	保存最佳模型 (验证损失: 0.035)	Epoch 5/20 [训练]: 100% ■■	Epoch 6/20 [训练]: 0%	保存最佳模型 (验证损失: 0.030	Epoch 6/20 [训练]: 100% ■	Epoch 7/20 [训练]: 0%	Epoch 7/20 [训练]: 100% ■	
	2 使	3 出	4 E	5 E	多	7 Ep	8 F	9 命	10 Ek	11 E	12	13 Ek	14 E	15 条	16 Ek	17 Ek	18	19 Ek	20 E	21 E	

22 Epoch 7: 训练损失=0.0345,	损失=0.0345, 验证损失=0.0330, 验证准确率=0.9905
	0] 052/0
25 保存最佳模型	保存最佳模型(验证损失:0.0279)
26 Epoch 9/20 [训炼]: 100%	炼]: 100%
27 Epoch 10/20 [训练]	[训练]: 0% 0/750 [00:00 , ?it/s]Epoch 9: 训练损失=0.0268, 验证损</td
28 Epoch 10/20 [训练	[训练]: 100% 100% 100% 100% 1000 100
29 Epoch 11/20 [训练]:	[训练]: 0% 0/750 [00:00 , ?it/s]Epoch 10: 训练损失=0.0235, 验证批</td
Epoch 11	/20 [训练]: 100%
	Epoch 11: 训练损失=0.0229, 验证损失=0.0273, 验证准确率=0.9920
	保存最佳模型 (验证损失: 0.0273)
33 Epoch 12/20 [训练]: 100%	[训练]: 100%
34 Epoch 12: 训修	2: 训练损失=0.0195, 验证损失=0.0284, 验证准确率=0.9926
35 Epoch 13/20	3/20 [训练]: 100%
36 Epoch 13: 训修	3: 训练损失=0.0190, 验证损失=0.0281, 验证准确率=0.9929
37 Epoch 14/20 [训练]	[训练]: 100%
38 Epoch 15/20 [训练]	[训练]: 0% 0/750 [00:00 , ?it/s]Epoch 14: 训练损失=0.0173, 验证担</td
39 Epoch 15/20	[训练]: 100%
40 Epoch 16/20	[训练]: 0% 0/750 [00:00 , ?it/s]Epoch 15: 训练损失=0.0169, 验证担</td
41 Epoch 16/20	[训练]: 100%
42 Epoch 17/20	[训练]: 0% 0/750 [00:00 , ?it/s]Epoch 16: 训练损失=0.0155, 验证扎</td