D:\anaconda\envs\nn\python.exe E:/20202/NN/ResidualMaskingNetwork/main\_fer2013.py

Start trainer..

{'data\_path': 'saved/data/fer2013', 'image\_size': 224, 'in\_channels': 3, 'num\_classes': 7, 'arch': 'alexnet', 'lr': 0.0001, 'weighted\_loss': 0, 'momentum': 0.9, 'weight\_decay': 0.001, 'distributed': 0, 'batch\_size': 48, 'num\_workers': 8, 'device': 'cuda:0', 'max\_epoch\_num': 50, 'max\_plateau\_count': 8, 'plateau\_patience': 2, 'steplr': 50, 'log\_dir': 'saved/logs', 'checkpoint\_dir': 'saved/checkpoints', 'model\_name': '\_n', 'cwd': 'E:\\20202\\NN\\ResidualMaskingNetwork'}

Downloading: "https://download.pytorch.org/models/alexnet-owt-4df8aa71.pth" to C:\Users\ardor/.cache\torch\hub\checkpoints\alexnet-owt-4df8aa71.pth

100%|██████████| 233M/233M [01:43<00:00, 2.35MB/s]

0%| | 0/599 [00:00<?, ?it/s]E:\20202\NN\ResidualMaskingNetwork\utils\radam.py:45: UserWarning: This overload of addcmul\_ is deprecated:

addcmul\_(Number value, Tensor tensor1, Tensor tensor2)

Consider using one of the following signatures instead:

addcmul\_(Tensor tensor1, Tensor tensor2, \*, Number value) (Triggered internally at ..\torch\csrc\utils\python\_arg\_parser.cpp:882.)

exp\_avg\_sq.mul\_(beta2).addcmul\_(1 - beta2, grad, grad)

E001 1.499/1.238/1.238 41.464/52.743/52.743 | p00 Time 0:02:55

E002 1.247/1.161/1.161 52.072/54.979/54.979 | p00 Time 0:05:51

E003 1.163/1.099/1.099 55.630/58.665/58.665 | p00 Time 0:08:40

E004 1.104/1.059/1.059 57.805/60.076/60.076 | p00 Time 0:11:28

E005 1.058/1.032/1.032 59.900/62.129/62.129 | p00 Time 0:14:15

E006 1.019/1.033/1.032 61.600/61.118/62.129 | p01 Time 0:17:00

E007 0.985/0.996/0.996 62.513/62.568/62.568 | p00 Time 0:19:47

E008 0.953/1.018/0.996 64.144/62.059/62.568 | p01 Time 0:22:33

E009 0.926/0.966/0.966 65.184/64.365/64.365 | p00 Time 0:25:30

E010 0.893/0.961/0.961 66.665/65.012/65.012 | p00 Time 0:28:20

E011 0.863/1.011/0.961 67.618/62.293/65.012 | p01 Time 0:31:16

E012 0.837/0.970/0.961 68.694/64.809/65.012 | p02 Time 0:34:11

E013 0.814/0.939/0.939 69.524/66.004/66.004 | p00 Time 0:37:09

E014 0.791/0.973/0.939 70.328/65.040/66.004 | p01 Time 0:40:03

E015 0.762/0.994/0.939 71.391/65.393/66.004 | p02 Time 0:42:58

Epoch 16: reducing learning rate of group 0 to 1.0000e-05.

E016 0.737/0.966/0.939 72.492/65.529/66.004 | p03 Time 0:45:51

E017 0.631/0.944/0.944 76.582/67.401/67.401 | p00 Time 0:48:49

E018 0.599/0.958/0.958 77.671/67.623/67.623 | p00 Time 1:15:10

E019 0.589/0.962/0.962 78.081/68.123/68.123 | p00 Time 1:18:13

E020 0.571/0.963/0.962 78.991/68.059/68.123 | p01 Time 1:21:08

E021 0.565/0.969/0.962 79.014/68.004/68.123 | p02 Time 1:24:12

E022 0.547/0.974/0.974 79.975/68.170/68.170 | p00 Time 1:27:17

E023 0.545/0.975/0.974 79.800/67.865/68.170 | p01 Time 1:30:27

E024 0.539/0.984/0.974 80.295/67.698/68.170 | p02 Time 1:33:49

Epoch 25: reducing learning rate of group 0 to 1.0000e-06.

E025 0.531/0.982/0.974 80.434/68.087/68.170 | p03 Time 1:37:06

E026 0.515/0.984/0.984 80.937/68.504/68.504 | p00 Time 1:40:23

E027 0.506/0.987/0.984 81.490/68.393/68.504 | p01 Time 1:43:36

E028 0.513/0.988/0.984 80.943/68.420/68.504 | p02 Time 1:46:47

E029 0.505/0.989/0.984 81.253/68.393/68.504 | p03 Time 1:49:55

E030 0.504/0.990/0.984 81.201/68.254/68.504 | p04 Time 1:53:12

E031 0.505/0.989/0.984 81.525/68.393/68.504 | p05 Time 1:56:25

E032 0.502/0.989/0.984 81.307/68.226/68.504 | p06 Time 1:59:28

E033 0.504/0.990/0.984 81.646/68.143/68.504 | p07 Time 2:02:28

E034 0.503/0.992/0.984 81.575/68.309/68.504 | p08 Time 2:05:34

E035 0.504/0.993/0.984 81.109/68.420/68.504 | p09 Time 2:08:33

Calc acc on private test with tta..

Accuracy on private test with tta: 70.354

Process finished with exit code 0

D:\anaconda\envs\nn\python.exe E:/20202/NN/ResidualMaskingNetwork/main\_fer2013.py

Start trainer..

{'data\_path': 'saved/data/fer2013', 'image\_size': 224, 'in\_channels': 3, 'num\_classes': 7, 'arch': 'alexnet', 'lr': 0.0001, 'weighted\_loss': 0, 'momentum': 0.9, 'weight\_decay': 0.001, 'distributed': 0, 'batch\_size': 48, 'num\_workers': 8, 'device': 'cuda:0', 'max\_epoch\_num': 50, 'max\_plateau\_count': 8, 'plateau\_patience': 2, 'steplr': 50, 'log\_dir': 'saved/logs', 'checkpoint\_dir': 'saved/checkpoints', 'model\_name': '\_n', 'cwd': 'E:\\20202\\NN\\ResidualMaskingNetwork'}

0%| | 0/479 [00:00<?, ?it/s]E:\20202\NN\ResidualMaskingNetwork\utils\radam.py:45: UserWarning: This overload of addcmul\_ is deprecated:

addcmul\_(Number value, Tensor tensor1, Tensor tensor2)

Consider using one of the following signatures instead:

addcmul\_(Tensor tensor1, Tensor tensor2, \*, Number value) (Triggered internally at ..\torch\csrc\utils\python\_arg\_parser.cpp:882.)

exp\_avg\_sq.mul\_(beta2).addcmul\_(1 - beta2, grad, grad)

E001 1.542/1.357/1.357 39.558/48.156/48.156 | p00 Time 0:02:33

E002 1.288/1.198/1.198 50.619/53.955/53.955 | p00 Time 0:05:01

E003 1.193/1.124/1.124 54.672/56.670/56.670 | p00 Time 0:07:26

E004 1.142/1.080/1.080 56.846/59.823/59.823 | p00 Time 0:09:51

E005 1.093/1.054/1.054 58.721/60.497/60.497 | p00 Time 0:12:17

E006 1.057/1.071/1.054 59.895/59.837/60.497 | p01 Time 0:14:41

E007 1.021/1.032/1.032 61.405/61.080/61.080 | p00 Time 0:17:06

E008 0.986/0.998/0.998 63.266/62.097/62.097 | p00 Time 0:19:30

E009 0.949/1.012/1.012 64.218/62.295/62.295 | p00 Time 0:21:54

E010 0.924/0.975/0.975 65.195/63.469/63.469 | p00 Time 0:24:18

E011 0.892/0.958/0.958 66.568/63.920/63.920 | p00 Time 0:26:42

E012 0.866/0.951/0.951 67.799/64.663/64.663 | p00 Time 0:29:06

E013 0.832/0.985/0.951 68.895/63.135/64.663 | p01 Time 0:31:28

E014 0.812/0.956/0.956 69.905/64.969/64.969 | p00 Time 0:33:53

E015 0.787/0.964/0.964 70.513/65.076/65.076 | p00 Time 0:36:19

E016 0.758/0.949/0.949 71.731/65.795/65.795 | p00 Time 0:38:42

E017 0.726/0.954/0.949 72.910/65.767/65.795 | p01 Time 0:41:06

E018 0.703/0.984/0.984 73.766/65.913/65.913 | p00 Time 0:43:29

E019 0.674/1.029/0.984 74.576/64.382/65.913 | p01 Time 0:45:56

E020 0.659/0.965/0.965 75.345/66.681/66.681 | p00 Time 0:48:24

E021 0.633/1.012/0.965 76.794/66.309/66.681 | p01 Time 0:50:53

E022 0.610/0.987/0.965 77.230/65.677/66.681 | p02 Time 0:53:26

Epoch 23: reducing learning rate of group 0 to 1.0000e-05.

E023 0.585/1.020/0.965 78.480/65.420/66.681 | p03 Time 0:56:03

E024 0.471/1.007/1.007 82.332/68.059/68.059 | p00 Time 0:58:34

E025 0.440/1.021/1.021 83.919/68.260/68.260 | p00 Time 1:01:12

E026 0.431/1.039/1.021 84.229/68.139/68.260 | p01 Time 1:03:43

E027 0.414/1.057/1.057 84.937/68.340/68.340 | p00 Time 1:06:12

E028 0.402/1.066/1.057 85.363/68.000/68.340 | p01 Time 1:09:00

E029 0.395/1.063/1.057 85.368/68.153/68.340 | p02 Time 1:12:15

Epoch 30: reducing learning rate of group 0 to 1.0000e-06.

E030 0.378/1.084/1.057 86.259/67.920/68.340 | p03 Time 1:14:42

E031 0.372/1.083/1.057 86.420/68.007/68.340 | p04 Time 1:17:11

E032 0.370/1.086/1.057 86.516/68.122/68.340 | p05 Time 1:19:39

E033 0.369/1.086/1.057 86.617/68.111/68.340 | p06 Time 1:22:09

E034 0.365/1.090/1.057 86.873/68.104/68.340 | p07 Time 1:24:37

E035 0.364/1.091/1.057 86.603/68.024/68.340 | p08 Time 1:27:55

E036 0.364/1.094/1.057 86.642/68.208/68.340 | p09 Time 1:31:27

0%| | 0/3589 [00:00<?, ?it/s]Calc acc on private test with tta..

Accuracy on private test with tta: 70.020

Process finished with exit code 0

D:\anaconda\envs\nn\python.exe E:/20202/NN/ResidualMaskingNetwork/main\_fer2013.py

Start trainer..

{'data\_path': 'saved/data/fer2013', 'image\_size': 224, 'in\_channels': 3, 'num\_classes': 7, 'arch': 'alexnet', 'lr': 0.0001, 'weighted\_loss': 0, 'momentum': 0.9, 'weight\_decay': 0.001, 'distributed': 0, 'batch\_size': 48, 'num\_workers': 8, 'device': 'cuda:0', 'max\_epoch\_num': 50, 'max\_plateau\_count': 8, 'plateau\_patience': 2, 'steplr': 50, 'log\_dir': 'saved/logs', 'checkpoint\_dir': 'saved/checkpoints', 'model\_name': '\_n', 'cwd': 'E:\\20202\\NN\\ResidualMaskingNetwork'}

0%| | 0/479 [00:00<?, ?it/s]E:\20202\NN\ResidualMaskingNetwork\utils\radam.py:45: UserWarning: This overload of addcmul\_ is deprecated:

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exp\_avg\_sq.mul\_(beta2).addcmul\_(1 - beta2, grad, grad)

E001 1.542/1.357/1.357 39.558/48.156/48.156 | p00 Time 0:03:06

E002 1.288/1.198/1.198 50.619/53.955/53.955 | p00 Time 0:06:37

E003 1.193/1.124/1.124 54.672/56.670/56.670 | p00 Time 0:10:19

E004 1.142/1.080/1.080 56.846/59.823/59.823 | p00 Time 0:13:43

E005 1.093/1.054/1.054 58.721/60.497/60.497 | p00 Time 0:16:19

E006 1.057/1.071/1.054 59.895/59.837/60.497 | p01 Time 0:18:54

E007 1.021/1.032/1.032 61.405/61.080/61.080 | p00 Time 0:21:34

E008 0.986/0.998/0.998 63.266/62.097/62.097 | p00 Time 0:24:09

E009 0.949/1.012/1.012 64.218/62.295/62.295 | p00 Time 0:26:45

E010 0.924/0.975/0.975 65.195/63.469/63.469 | p00 Time 0:29:20

E011 0.892/0.958/0.958 66.568/63.920/63.920 | p00 Time 0:31:56

E012 0.866/0.951/0.951 67.799/64.663/64.663 | p00 Time 0:34:19

E013 0.832/0.985/0.951 68.895/63.135/64.663 | p01 Time 0:36:41

E014 0.812/0.956/0.956 69.905/64.969/64.969 | p00 Time 0:39:04

E015 0.787/0.964/0.964 70.513/65.076/65.076 | p00 Time 0:41:28

E016 0.758/0.949/0.949 71.731/65.795/65.795 | p00 Time 0:43:51

E017 0.726/0.954/0.949 72.910/65.767/65.795 | p01 Time 0:46:13

E018 0.703/0.984/0.984 73.766/65.913/65.913 | p00 Time 0:48:37

E019 0.674/1.029/0.984 74.576/64.382/65.913 | p01 Time 0:51:00

E020 0.659/0.965/0.965 75.345/66.681/66.681 | p00 Time 0:53:26

E021 0.633/1.012/0.965 76.794/66.309/66.681 | p01 Time 0:55:49

E022 0.610/0.987/0.965 77.230/65.677/66.681 | p02 Time 0:58:12

Epoch 23: reducing learning rate of group 0 to 1.0000e-05.

E023 0.585/1.020/0.965 78.480/65.420/66.681 | p03 Time 1:00:35

E024 0.471/1.007/1.007 82.332/68.059/68.059 | p00 Time 1:03:02

E025 0.440/1.021/1.021 83.919/68.260/68.260 | p00 Time 1:05:29

E026 0.431/1.039/1.021 84.229/68.139/68.260 | p01 Time 1:07:56

E027 0.414/1.057/1.057 84.937/68.340/68.340 | p00 Time 1:10:22

E028 0.402/1.066/1.057 85.363/68.000/68.340 | p01 Time 1:12:48

E029 0.395/1.063/1.057 85.368/68.153/68.340 | p02 Time 1:15:14

Epoch 30: reducing learning rate of group 0 to 1.0000e-06.

E030 0.378/1.084/1.057 86.259/67.920/68.340 | p03 Time 1:17:40

E031 0.372/1.083/1.057 86.420/68.007/68.340 | p04 Time 1:20:07

E032 0.370/1.086/1.057 86.516/68.122/68.340 | p05 Time 1:22:36

E033 0.369/1.086/1.057 86.617/68.111/68.340 | p06 Time 1:25:01

E034 0.365/1.090/1.057 86.873/68.104/68.340 | p07 Time 1:27:26

E035 0.364/1.091/1.057 86.603/68.024/68.340 | p08 Time 1:29:52

E036 0.364/1.094/1.057 86.642/68.208/68.340 | p09 Time 1:32:18

Calc acc on private test..

Accuracy on private test: 67.902

Process finished with exit code 0