Task 1

Task 2

Task 3

Task 4

'Incremental Joint Training' with Mini-Batch GD, 0.001 learning rate, 0.5 Momentum — Task 1
Test Accuracy (%) on Task 1
Total number of training iterations
Task 1
Standard Error
Task switch
100
95
90
85
80
75
70
0
250
500
750
1000
1250
1500
1750
2000

'Incremental Joint Training' with Mini-Batch GD, 0.001 learning rate, 0.5 Momentum — Task 2
Test Accuracy (%) on Task 2
Total number of training iterations
Task 2
Standard Error
Task switch
100
95
90
85
80
75
70
0
250
500
750
1000
1250
1500
1750
2000

'Incremental Joint Training' with Mini-Batch GD, 0.001 learning rate, 0.5 Momentum — Task 3
Test Accuracy (%) on Task 3
Total number of training iterations
Task 3
Standard Error
Task switch
100
95
90
85
80
75
70
0
250
500
750
1000
1250
1500
1750
2000

'Incremental Joint Training' with Mini-Batch GD, 0.001 learning rate, 0.5 Momentum — Task 4
Test Accuracy (%) on Task 4
Total number of training iterations
Task 4
Standard Error
Task switch
100
95
90
85
80
75
70
0
250
500
750
1000
1250
1500
1750
2000

'Incremental Joint Training' with Mini-Batch GD, 0.001 learning rate, 0.5 Momentum — All Tasks
Test Accuracy (%)
Total number of training iterations
100
95
90
85
80
75
70
0
250
500
750
1000
1250
1500
1750
2000
Task 1
Task 2
Task 3
Task 4
Standard Error
Task switch

Runs: 5
Optimizer: Mini-Batch GD
Learning Rate: 0.001
Momentum: 0.5
FORG: -15.37 (+/-0.32)
ACC: 39.23 (+/-0.13)
min-ACC: 27.02 (+/-0.17)
WC-ACC: 26.73 (+/-0.17)
WF10: 4.79 (+/-0.09)
WF100: 5.2 (+/-0.12)
WP10: 4.96 (+/-0.09)
WP100: 8.47 (+/-0.07)
TBP: 113.9 (+/-10.5)
GD: 0.8 (+/-0.13)
SD: -0.012 (+/-0.038)
SRfixed: 0.196 (+/-0.017)
SRfull: 0.197 (+/-0.02)