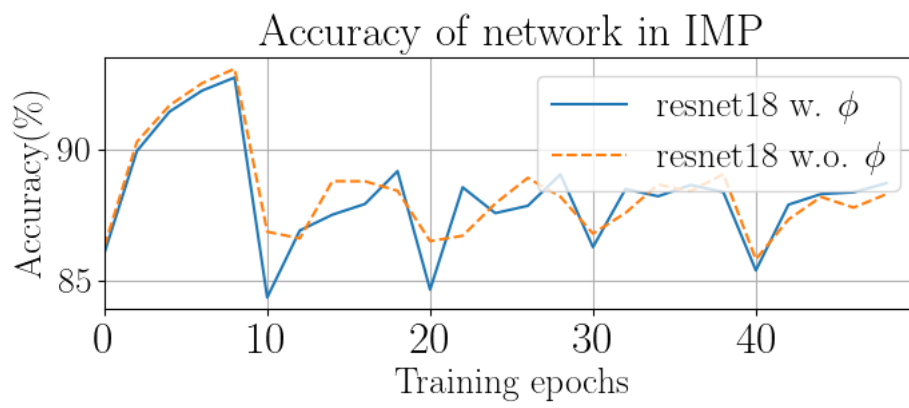


2023-06-06 Tue

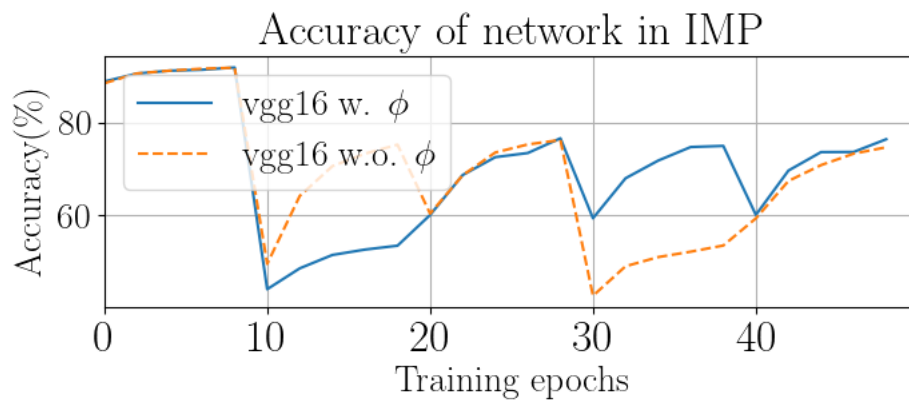
- First, we try the effect of using pretrained network with and without controller

Arch: resnet18  
Data: CIFAR10  
# IMP Iterations: 5  
Training per iter: 10  
# trial: 3  
Pretrained: True



- Then, we try vgg16 to see the effect of changing network

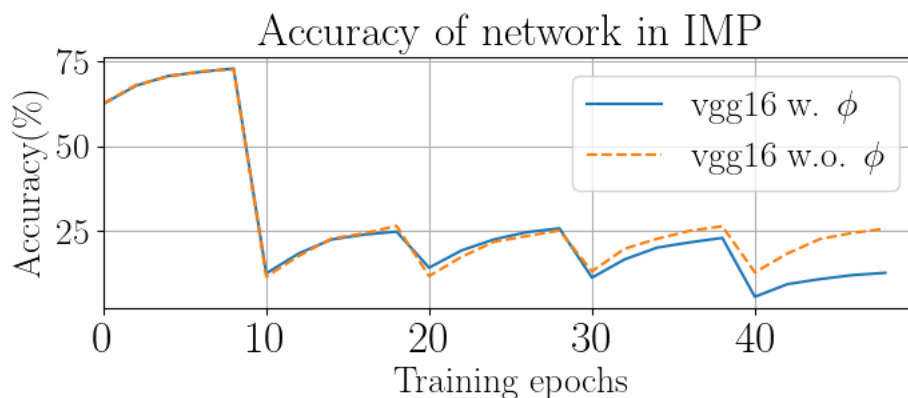
Arch: vgg16  
Data: CIFAR10  
# IMP Iterations: 5  
Training per iter: 10  
# trial: 3  
Pretrained: True



- We then try CIFAR100 to see the effect of adding more classes (vgg16)

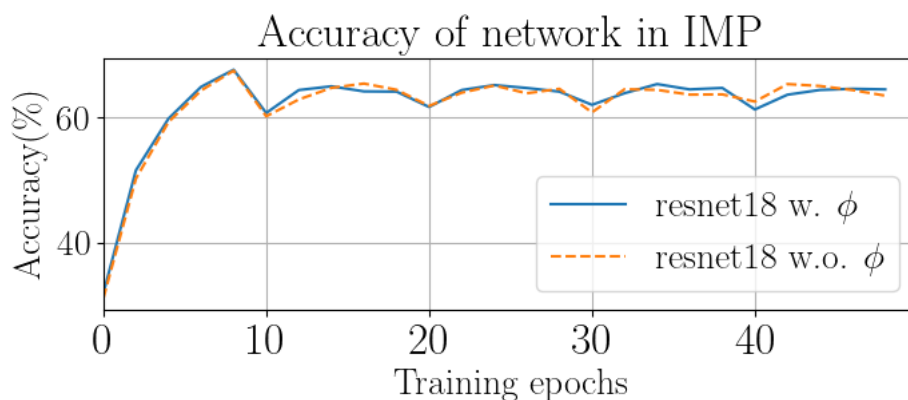
Arch: vgg16

Data: CIFAR100  
 # IMP Iterations: 5  
 Training per iter: 10  
 # trial: 3  
 Pretrained: True



- At last, I divided the norm of connectivity from the connectivity in the 1st type of controller such that the norm of the weight does not change after applying the controller

Arch: resnet  
 Data: CIFAR100  
 # IMP Iterations: 5  
 Training per iter: 10  
 # trial: 3  
 Pretrained: True



## 1 Questions

- 1.1 Do I need to set the gradients to zero when I am changing the weights?
- 1.2 Is it important how to scale the connectivity between -1 and 1?

## 2 Tasks