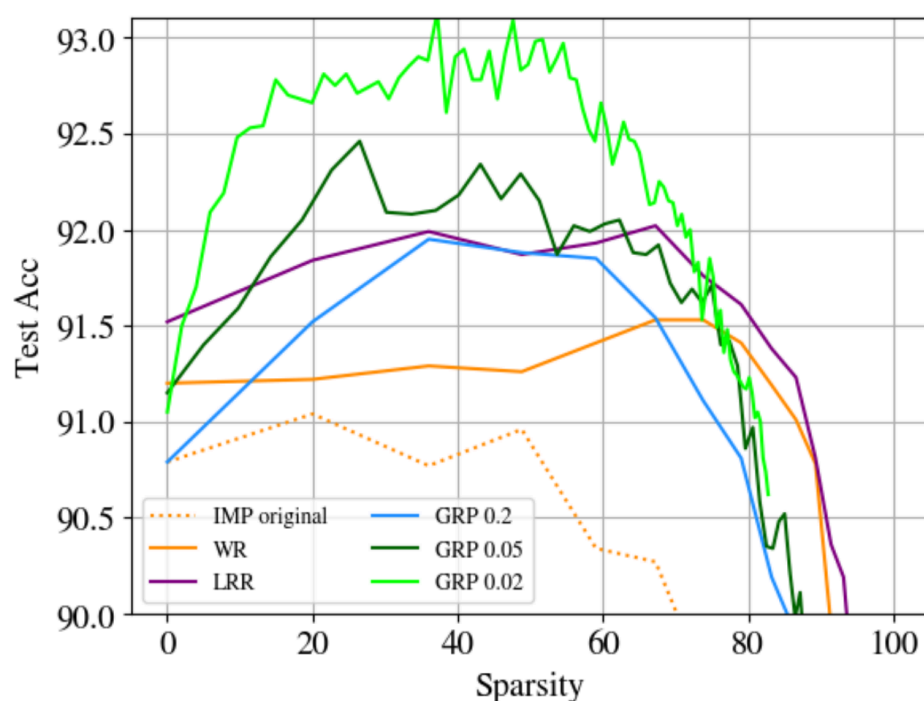


# Experiments

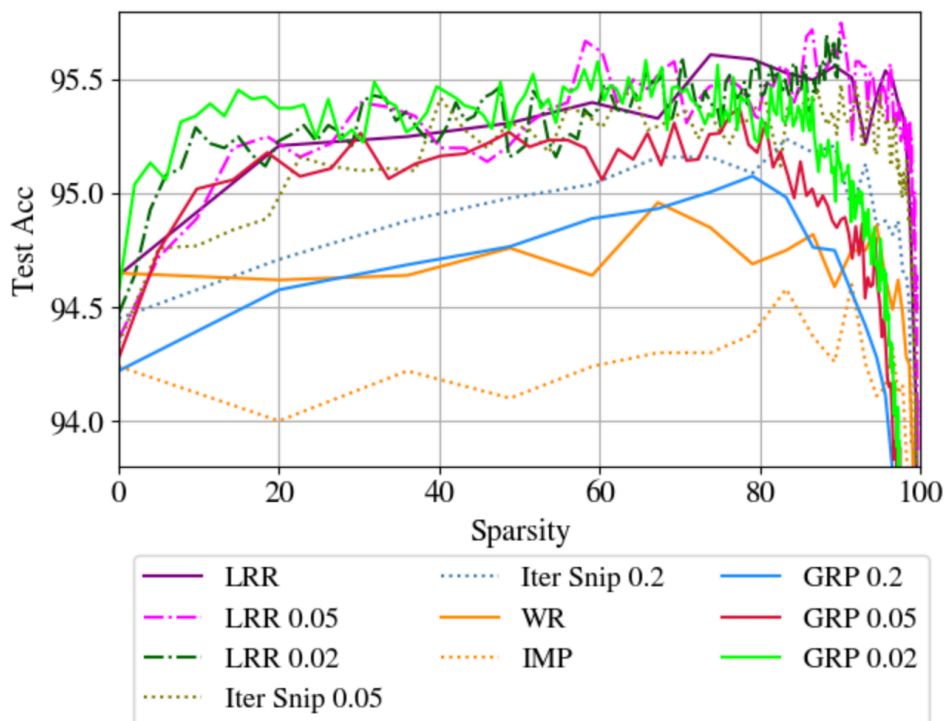
## 1. Results for Gradual Random Pruning (GRP) for CIFAR10 ResNet20.

We show results for Gradual Random Pruning on ResNet20 for CIFAR10 as suggested by reviewer ckQT. Even with a smaller ResNet20, we see that GRP is able to outperform LRR, WR and IMP upto 80% sparsity, in line with our experiments in the paper.



## 2. Same pruning fraction for LRR and GRP for CIFAR10 on ResNet18.

We show experiments that use the same pruning fraction as GRP for LRR and iterative Snip. Our results show that even with the same pruning fraction, GRP is able to compete with LRR upto 80% sparsity, in line with our results in the paper.



### 3. Additional benefits, pruning at initialization with healthy sparsity for CIFAR10 on ResNet18.

We show that initializing a random network with healthy sparsity by combining unstructured and structured pruning can compete with and outperform other pruning at initialization methods like SNIP and Synflow. This highlights that ensuring a healthy structure in a random mask is a cheap substitute for existing pruning at initialization methods.

In this experiment we ensure that each neuron has at least a channel in-degree 5.

