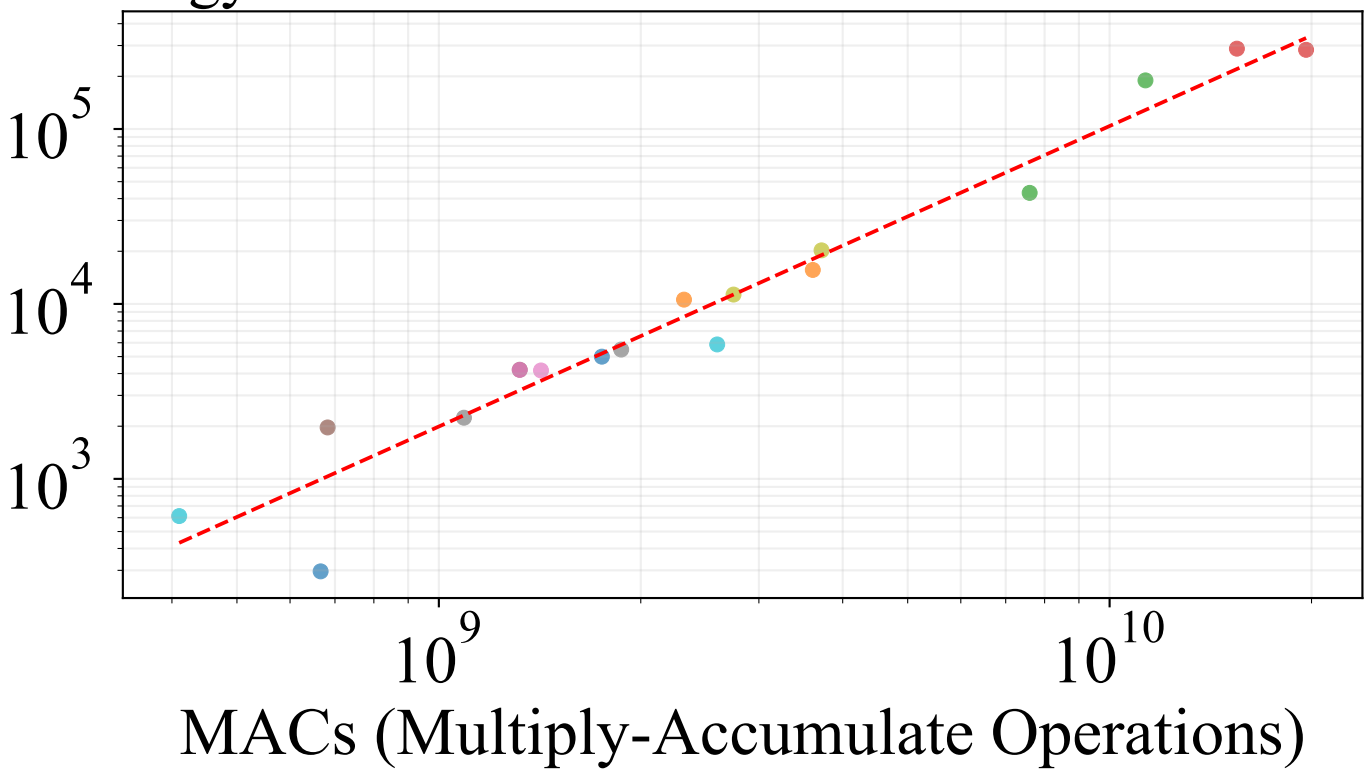


Energy Consumption vs. MACs Comparison Across Models, Datasets, and Hardware

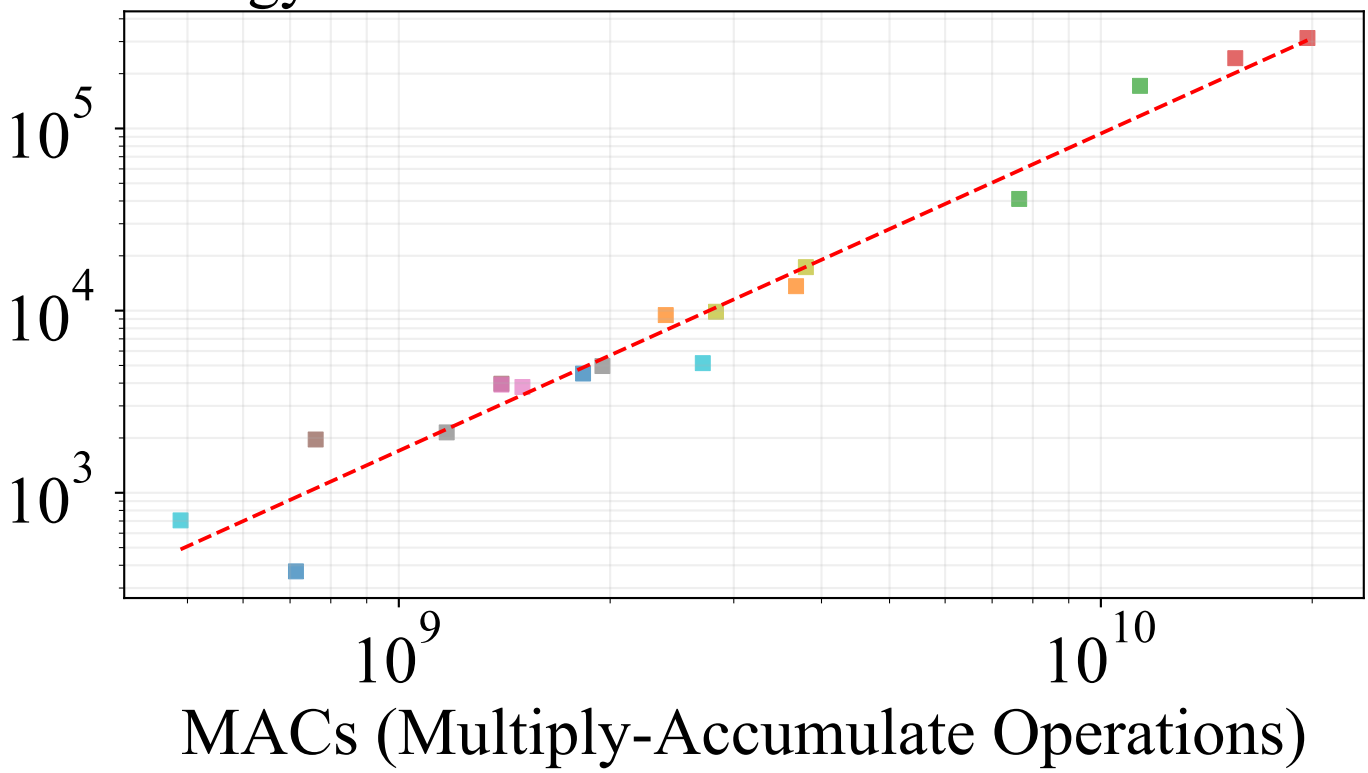
Energy Consumption (Joules)

Energy vs. MACs for Fashion MNIST on RTX 3080



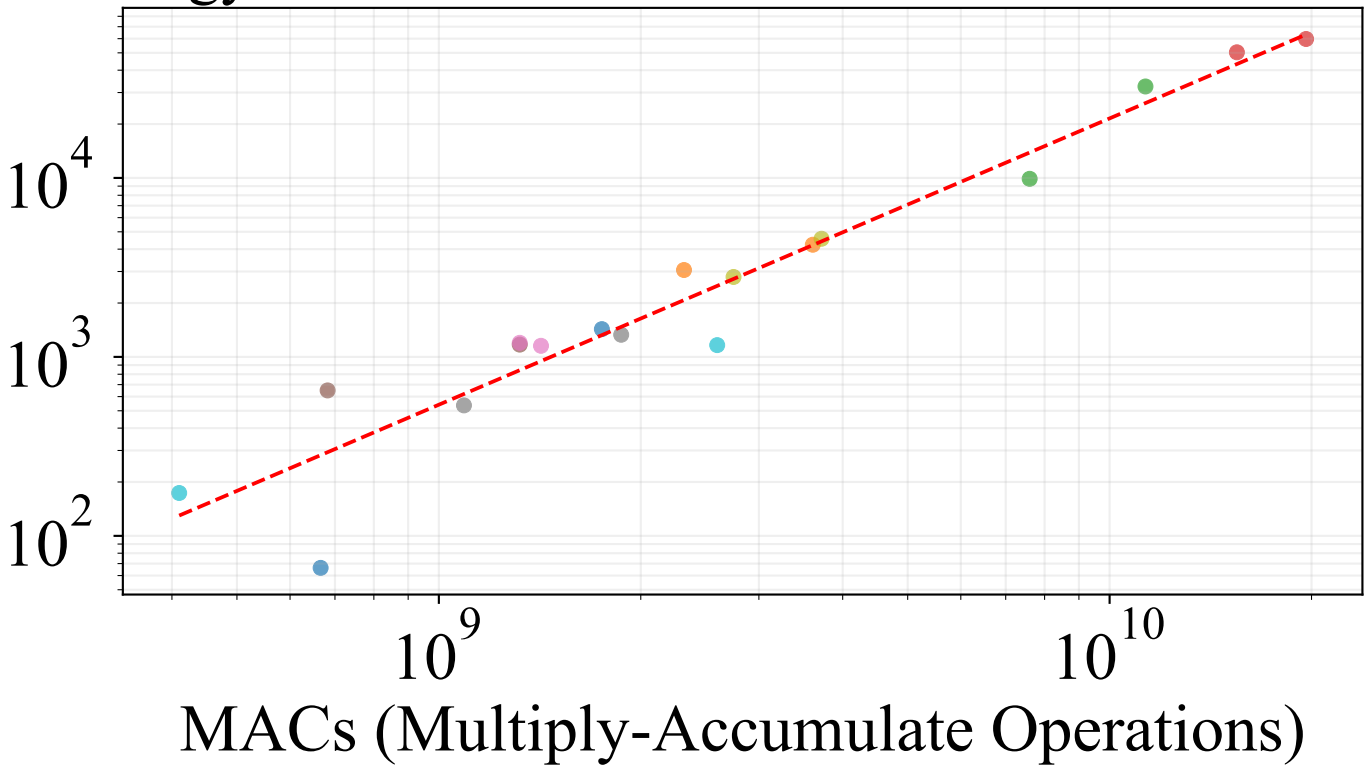
Energy Consumption (Joules)

Energy vs. MACs for CIFAR-100 on RTX 3080



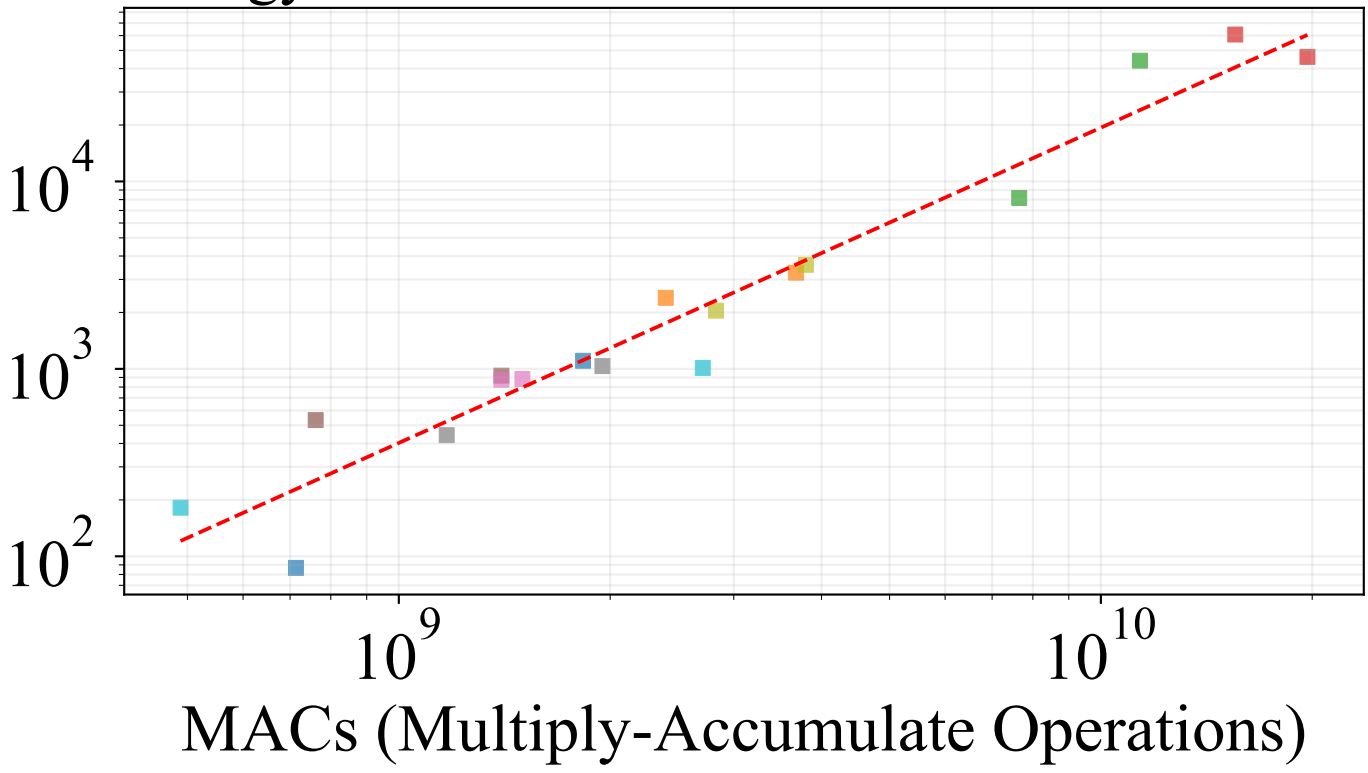
Energy Consumption (Joules)

Energy vs. MACs for Fashion MNIST on RTX 4090



Energy Consumption (Joules)

Energy vs. MACs for CIFAR-100 on RTX 4090



- | | | | | |
|------------|---------|------------------|------------------|------------------|
| ● alexnet | ● vgg11 | ● googlenet | ● googlenet_mod4 | ● googlenet_mod8 |
| ● resnet18 | ● vgg13 | ● googlenet_mod1 | ● googlenet_mod5 | ● googlenet_mod9 |
| ● resnet34 | ● vgg16 | ● googlenet_mod2 | ● googlenet_mod6 | ● vit |
| ● resnet50 | ● vgg19 | ● googlenet_mod3 | ● googlenet_mod7 | --- Trend line |