

DNN-NTK > 5%

Infinite Width DNN = Neural Tangent Kernel (NTK)

Deep Neural Networks

Duality For DNNs with ReLU

Simplifying NTK

Simple Experiments

Neural Path Kernel (NPK)
(interpretable as sub-networks)

Deep Gated Networks (DGN)

DNN-DGN < 1%

[This Paper]

NPK is a composite kernel

[This Paper]

Generalisation With

Depth & Width Skip Convolution
+ Pooling

Layer Constant Gate Only
Permutations Input Training