

## A Neural network architecure for CIFAR-10 experiments

Layer type	# channels	$x, y$ dimension
raw RGB input	3	32
ZCA whitening	3	32
Gaussian noise $\sigma = 0.15$	3	32
$3 \times 3$ conv leaky ReLU	96	32
$3 \times 3$ conv leaky ReLU	96	32
$3 \times 3$ conv leaky ReLU	96	32
$2 \times 2$ max pool, str. 2	96	16
dropout with $p = 0.5$	96	16
$3 \times 3$ conv leaky ReLU	192	16
$3 \times 3$ conv leaky ReLU	192	16
$3 \times 3$ conv leaky ReLU	192	16
$2 \times 2$ max pool, str. 2	192	8
dropout with $p = 0.5$	192	8
$3 \times 3$ conv leaky ReLU	192	6
$1 \times 1$ conv leaky ReLU	192	6
$1 \times 1$ conv leaky ReLU	192	6
global average pool	192	1
softmax output	10	1

Table 1: Neural network architecture for CIFAR-10.