



Continuously run and profile via CK across different models, data sets and hardware. Collect stats about most time consuming operators. Extract most-time consuming NN operator implementations and inputs to make them standalone programs in the CK format.

ck-nntest GitHub repository

CK JSON API	CK JSON API	CK JSON API
NN operator (CK program)	NN operator inputs with different shapes (CK dataset)	Reference outputs (CK program.output)
conv-androidnn-cpu	tensor-avgpool	tensor-avgpool
conv-androidnn-cpu-uint8	tensor-conv	tensor-conv
conv-armcl-openc1	tensor-conv-fcn16s	tensor-conv-fcn16s
conv-armcl-openc1-uint8	tensor-conv-mobilenets	tensor-conv-mobilenets
conv-caffe-cpu	tensor-dwc-synthetic	tensor-dwc-synthetic
conv-caffe-openc1	tensor-fc	tensor-fc
conv-caffe-openc1	tensor-rb-synthetic	tensor-rb-synthetic
avgpool-armcl-openc1-uint8	tensor-reshape-mobilenets	tensor-reshape-mobilenets
fullyconnected-caffe-openc1	tensor-softmax	tensor-softmax
softmax-tensorflow-cpu		
...

