

Module: `tf.contrib.kfac.fisher_blocks`[Contents](#)[Classes](#)

Defined in `tensorflow/contrib/kfac/python/ops/fisher_blocks_lib.py`.

FisherBlock definitions.

## Classes

**class** `ConvDiagonalFB`: FisherBlock for convolutional layers using a diagonal approx.

**class** `ConvKFCBasicFB`: FisherBlock for 2D convolutional layers using the basic KFC approx.

**class** `FisherBlock`: Abstract base class for objects modeling approximate Fisher matrix blocks.

**class** `FullFB`: FisherBlock using a full matrix estimate (no approximations).

**class** `FullyConnectedDiagonalFB`: FisherBlock for fully-connected (dense) layers using a diagonal approx.

**class** `FullyConnectedKFACBasicFB`: K-FAC FisherBlock for fully-connected (dense) layers.

**class** `KroneckerProductFB`: A base class for FisherBlocks with separate input and output factors.

**class** `NaiveDiagonalFB`: FisherBlock using a diagonal matrix approximation.

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