

Module: `tf.contrib.opt`

## Contents

## Classes

Defined in `tensorflow/contrib/opt/__init__.py`.

A module containing optimization routines.

## Classes

**`DropStaleGradientOptimizer`** : Wrapper optimizer that checks and drops stale gradient.

**`ExternalOptimizerInterface`** : Base class for interfaces with external optimization algorithms.

**`LazyAdamOptimizer`** : Variant of the Adam optimizer that handles sparse updates more efficiently.

**`MovingAverageOptimizer`** : Optimizer that computes a moving average of the variables.

**`NadamOptimizer`** : Optimizer that implements the Nadam algorithm.

**`ScipyOptimizerInterface`** : Wrapper allowing `scipy.optimize.minimize` to operate a `tf.Session`.

**`VariableClippingOptimizer`** : Wrapper optimizer that clips the norm of specified variables after update.

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