Module: tf.contrib.linalg

Contents

Classes

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

Linear algebra libraries.

See the Linear Algebra (contrib) guide.

Classes

`class LinearOperator`: Base class defining a [batch of] linear operator[s].

`class LinearOperatorComposition`: Composes one or more `LinearOperators`.

`class LinearOperatorDiag`: `LinearOperator` acting like a [batch] square diagonal matrix.

`class LinearOperatorFullMatrix`: `LinearOperator` that wraps a [batch] matrix.

`class LinearOperatorIdentity`: `LinearOperator` acting like a [batch] square identity matrix.

`class LinearOperatorScaledIdentity`: `LinearOperator` acting like a scaled [batch] identity matrix `A = c I`.

`class LinearOperatorTriL`: `LinearOperator` acting like a [batch] square lower triangular matrix.

`class LinearOperatorUDVHUpdate`: Perturb a `LinearOperator` with a rank `K` update.

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Last updated November 2, 2017.