Module: tf.nn.rnn_cell

Defined in `tensorflow/python/ops/rnn_cell.py`.

Module for constructing RNN Cells.

Base interface for all RNN Cells

RNN Cells for use with TensorFlow's core RNN methods

Classes storing split **`RNNCell`** state

RNN Cell wrappers (RNNCells that wrap other RNNCells)

Classes

`class BasicLSTMCell`: Basic LSTM recurrent network cell.

`class BasicRNNCell`: The most basic RNN cell.

`class DeviceWrapper`: Operator that ensures an RNNCell runs on a particular device.

`class DropoutWrapper`: Operator adding dropout to inputs and outputs of the given cell.

`class GRUCell`: Gated Recurrent Unit cell (cf. http://arxiv.org/abs/1406.1078).

`class LSTMCell`: Long short-term memory unit (LSTM) recurrent network cell.

`class LSTMStateTuple`: Tuple used by LSTM Cells for `state_size`, `zero_state`, and output state.

`class MultiRNNCell`: RNN cell composed sequentially of multiple simple cells.

`class RNNCell`: Abstract object representing an RNN cell.

`class ResidualWrapper`: RNNCell wrapper that ensures cell inputs are added to the outputs.

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