

tf.contrib.resampler.resampler

```
resampler(  
    data,  
    warp,  
    name='resampler'  
)
```

Defined in [tensorflow/contrib/resampler/python/ops/resampler_ops.py](#).

Resamples input data at user defined coordinates.

The resampler currently only supports bilinear interpolation of 2D data.

Args:

- **data** : Tensor of shape `[batch_size, data_height, data_width, data_num_channels]` containing 2D data that will be resampled.
- **warp** : Tensor of minimum rank 2 containing the coordinates at which resampling will be performed. Since only bilinear interpolation is currently supported, the last dimension of the **warp** tensor must be 2.
- **name** : Optional name of the op.

Returns:

Tensor of resampled values from **data**. The output tensor shape is determined by the shape of the warp tensor. For example, if **data** is of shape `[batch_size, data_height, data_width, data_num_channels]` and warp of shape `[batch_size, dim_0, ..., dim_n, 2]` the output will be of shape `[batch_size, dim_0, ..., dim_n, data_num_channels]`.

Raises:

- **ImportError** : if the wrapper generated during compilation is not present when the function is called.

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