

## tf.contrib.image.angles\_to\_projective\_transforms

```
angles_to_projective_transforms(  
    angles,  
    image_height,  
    image_width  
)
```

Defined in [tensorflow/contrib/image/python/ops/image\\_ops.py](#).

Returns projective transform(s) for the given angle(s).

## Args:

- **angles**: A scalar angle to rotate all images by, or (for batches of images) a vector with an angle to rotate each image in the batch.
- **image\_height**: Height of the image(s) to be transformed.
- **image\_width**: Width of the image(s) to be transformed.

## Returns:

A tensor of shape (num\_images, 8). Projective transforms which can be given to **tf.contrib.image.transform**.

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