tf.contrib.image.transform

```
transform(
    images,
    transforms,
    interpolation='NEAREST'
)
```

Defined in `tensorflow/contrib/image/python/ops/image_ops.py`.

Applies the given transform(s) to the image(s).

Args:

- `images`: A tensor of shape (num_images, num_rows, num_columns, num_channels) (NHWC), (num_rows, num_columns, num_channels) (HWC), or (num_rows, num_columns) (HW).
- `transforms`: Projective transform matrix/matrices. A vector of length 8 or tensor of size N x 8. If one row of transforms is [a0, a1, a2, b0, b1, b2, c0, c1], then it maps the *output* point `(x, y)` to a transformed *input* point `(x', y') = ((a0 x + a1 y + a2) / k, (b0 x + b1 y + b2) / k)`, where `k = c0 x + c1 y + 1`. The transforms are *inverted* compared to the transform mapping input points to output points.
- `interpolation`: Interpolation mode. Supported values: "NEAREST", "BILINEAR".

Returns:

Image(s) with the same type and shape as `images`, with the given transform(s) applied. Transformed coordinates outside of the input image will be filled with zeros.

Raises:

- `TypeError`: If `image` is an invalid type.

English