

tf.contrib.kfac.utils.compute_pi

```
compute_pi(  
    left_factor,  
    right_factor  
)
```

Defined in [tensorflow/contrib/kfac/python/ops/utils.py](#).

Computes the scalar constant pi for Tikhonov regularization/damping.

$\pi = \sqrt{(\text{trace}(A) / \text{dim}(A)) / (\text{trace}(B) / \text{dim}(B))}$ See section 6.3 of <https://arxiv.org/pdf/1503.05671.pdf> for details.

Args:

- `left_factor` : The left Kronecker factor Tensor.
- `right_factor` : The right Kronecker factor Tensor.

Returns:

The computed scalar constant pi for these Kronecker Factors (as a Tensor).

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