tf.self_adjoint_eig

Aliases:

- `tf.linalg.eigh`
- `tf.self_adjoint_eig`

```
self_adjoint_eig(
    tensor,
    name=None
)
```

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

See the guide: Math > Matrix Math Functions

Computes the eigen decomposition of a batch of self-adjoint matrices.

Computes the eigenvalues and eigenvectors of the innermost N-by-N matrices in `tensor` such that `tensor[...,:,:] * v[..., :,i] = e[..., i] * v[...,:,i]`, for i=0...N-1.

Args:

- `tensor`: `Tensor` of shape `[..., N, N]`. Only the lower triangular part of each inner inner matrix is referenced.
- `name`: string, optional name of the operation.

Returns:

- `e`: Eigenvalues. Shape is `[..., N]`.
- `v`: Eigenvectors. Shape is `[..., N, N]`. The columns of the inner most matrices contain eigenvectors of the corresponding matrices in `tensor`

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