torch.linalg

Common linear algebra operations.

> **System Message: ERROR/3 (**D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\[pytorch-master][docs][source]linalg.rst, **line 9)**
>
> Unknown directive type "automodule".
>
> ```
>     .. automodule:: torch.linalg
> ```

> **System Message: ERROR/3 (**D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\[pytorch-master][docs][source]linalg.rst, **line 10)**
>
> Unknown directive type "currentmodule".
>
> ```
>     .. currentmodule:: torch.linalg
> ```

Matrix Properties

> **System Message: ERROR/3 (**D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\[pytorch-master][docs][source]linalg.rst, **line 15)**
>
> Unknown directive type "autosummary".
>
> ```
>     .. autosummary::
>        :toctree: generated
>        :nosignatures:
>
>        norm
>        vector_norm
>        matrix_norm
>        diagonal
>        det
>        slogdet
>        cond
>        matrix_rank
> ```

Decompositions

> **System Message: ERROR/3 (**D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\[pytorch-master][docs][source]linalg.rst, **line 31)**
>
> Unknown directive type "autosummary".
>
> ```
>     .. autosummary::
>        :toctree: generated
>        :nosignatures:
>
>        cholesky
>        qr
>        lu_factor
>        eig
>        eigvals
>        eigh
>        eigvalsh
>        svd
>        svdvals
> ```

Solvers

> **System Message: ERROR/3 (**D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\[pytorch-master][docs][source]linalg.rst, **line 48)**
>
> Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated
   :nosignatures:

   solve
   solve_triangular
   lstsq
```

Inverses

```
.. autosummary::
   :toctree: generated
   :nosignatures:

   inv
   pinv
```

Matrix Functions

```
.. autosummary::
   :toctree: generated
   :nosignatures:

   matrix_exp
   matrix_power
```

Matrix Products

```
.. autosummary::
   :toctree: generated
   :nosignatures:

   cross
   matmul
   multi_dot
   householder_product
```

Tensor Operations

```
.. autosummary::
   :toctree: generated
   :nosignatures:

   tensorinv
   tensorsolve
```

Experimental Functions
```

**System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\[pytorch-master][docs][source]linalg.rst,` **line 100)**

Unknown directive type "autosummary".

```
.. autosummary::
    :toctree: generated
    :nosignatures:

    cholesky_ex
    inv_ex
    lu_factor_ex
```