

# torch.fft

Discrete Fourier transforms and related functions.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\pytorch-master) (docs) (source) fft.rst, line 9)**

Unknown directive type "automodule".

```
.. automodule:: torch.fft
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\pytorch-master) (docs) (source) fft.rst, line 10)**

Unknown directive type "currentmodule".

```
.. currentmodule:: torch.fft
```

## Fast Fourier Transforms

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\pytorch-master) (docs) (source) fft.rst, line 15)**

Unknown directive type "autosummary".

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

   fft
   ifft
   fft2
   ifft2
   fftn
   ifftn
   rfft
   irfft
   rfft2
   irfft2
   rfftn
   irfftn
   hfft
   ihfft
   hfft2
   ihfft2
   hfftn
   ihfftn
```

## Helper Functions

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\pytorch-master) (docs) (source) fft.rst, line 41)**

Unknown directive type "autosummary".

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

   fftfreq
   rfftfreq
   fftshift
   ifftshift
```