

NFFT

Discrete Fourier transform (DFT) in one or more dimensions

General Information

FFTW is a C subroutine library for computing the discrete Fourier transform (DFT) in one or more dimensions,

Read more on [the nfft home page](#) For a manual consult the [online manual](#) or download the [pdf](#)

Version	Build Date	Installation Path	modulefile	compiler
3.5.1	20-feb-2020	/sw/numerics/nfft/gcc.8.3.0/3.5.1/		gcc/8.3.0
3.5.1	20-feb-2020	/sw/numerics/nfft/gcc.9.2.0/3.5.1/	nfft/gcc/3.5.1	gcc/9.2.0
3.5.1	20-feb-2020	/sw/numerics/nfft/intel.19/3.5.1/	nfft/intel/3.5.1	intel/19.0.1

All types of interface are installed. Both, the shared and the static version are available.

Usage of Nfft at HLRN

```
$ module load nfft/version
```

It sets:

- LD_RUN_PATH
- PKG_CONFIG_PATH

It load the related fftw3-module.

```
$ module show nfft/version
```

delivers the path to the libraries.

Installation at HLRN

Nfft is build from source. The current version is build with several compilers. High end optimisation is used. [read more](#) Description