

FFTW - Fastest Fourier Transform in the West

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Technology

FFTW" stands for "Fastest Fourier Transform in the West." FFTW is a C subroutine library for computing the discrete Fourier transform (DFT) in one or more dimensions, of arbitrary input size, and of both real and complex data, as well as of even/odd data, i.e., the discrete cosine/sine transforms, or DCT/DST.

FFTW's speed is superior when compared to other publicly-available DFT programs and its performance is highly competitive with that of vendor-driven solutions. FFTW is also portable, so it will work well on most architectures without modification – something vendor-driven custom applications cannot match.

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Intellectual Property:

Inventors:

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Publications:

FFTW: An Adaptive Software Architecture For The FFT

Proc. 1998 IEEE Intl. Conf. Acoustics Speech and Signal Processing. Vol. 3

pp. 1381-1384, IEEE, 1998

External Links:

Visit The FFTW Home Page

<http://www.fftw.org/>

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