

Matlab FFT Calibration Routines

Source: <http://newsgroups.derkeiler.com/Archive/Comp/comp.soft-sys.matlab/2008-05/msg00737.html>

- *From:* "John Costello" <JohnCostello@xxxxxxxxxxxxxx>
 - *Date:* Mon, 5 May 2008 20:29:03 +0000 (UTC)
-

Does Matlab have a canned set of data for FFT analysis?

What I am trying to find is a Matlab program that takes a known set of data for a signal, computes the FFT and extracts the spectral content and RMS equivalents of the discrete sinusoids used to assimilate the signal...

For example, if we set up a known signal comprised of

$$f(t) = 5 + 2\sin(2\pi*100*t) + 3\sin(2\pi*1000*t)$$

what do we get from the Matlab FFT analysis?

thanks for any advice

john costello

.