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The measurement techniques for determining the Q factor can be classified as being of transmission type, reflection type, and reaction type. The measurement is typically performed with a vector...

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## **(PDF) Q-Factor - ResearchGate**

Q = getQualityFactor  
(npFilter) returns the  
quality factor (Q factor)  
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## **Get quality factor - MATLAB**

### **getQualityFactor**

The most accurate Q  
factor measurement  
procedure consists of

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fitting the measured data to a circle on the Smith chart. The accompanying book covers this procedure and describes three basic methods of measurement: reflection, reaction, and transmission.

## **ARTECH HOUSE U.K.: Q Factor Measurements in MATLAB**

The software package also includes



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MATLAB[registered] programs in source code that can be modified by users to suit their particular needs. The software comes packaged with a user's manual that includes background information on key Q factor measurement topics to help professionals gain a full understanding of this complex area.

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## **Measurements Using MATLAB - Darko Kajfez - Bok ...**

The Q factor of the pMUT can be determined by the real part of the impedance frequency spectrum, which is defined as  $Q = f_r / \Delta f$ , where the resonance frequency  $f_r$  is the frequency at which the real part of the impedance reaches its maximum,  $\Delta f$  is the width of the peak at its half height, so-called 3

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dB bandwidth.

**Q Factor - an  
overview |**

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The software package also includes MATLAB[registered] programs in source code that can be modified by users to suit their particular needs. The software comes packaged with a user's manual that includes background information on key Q

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factor measurement  
topics to help  
professionals gain a full  
understanding of this  
complex area.

## **Q Factor Measurements in MATLAB ( )**

To open the  
measurements pane,  
click on the Eye  
Measurements button  
or select Tools >  
Measurements > Eye  
Measurements from  
the toolbar menu. Note

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For amplitude measurements, at least one bin per vertical histogram must reach 10 hits before the measurement is taken, ensuring higher accuracy.

## **Display eye diagram of time-domain signals - MATLAB ...**

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## JH Libraries

The second strategy is to define both L-vectors and N-vectors and to use the N-vectors to compute  $(d - d^-) T C - 1 (d - d^-)$  using the normal MatLab syntax for matrix multiplication. In the  $N = 2$  case, the 2-vectors must be formed explicitly for each of the  $L \times L$  pairs of  $(d_1, d_2)$ , which is best done inside a pair of for loops:

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## **Matlab Code - an overview | ScienceDirect Topics**

This example shows how to use the comm.EVM System object™ to measure the error vector magnitude (EVM) of a simulated IEEE® 802.15.4 [ 1 ] transmitter.

## **EVM Measurements for a 802.15.4 (ZigBee) System -**

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## Measurements **MATLAB ...**

MATLAB ... This example shows how to measure total harmonic distortion and noise level of audio input and output devices. Introduction ...

Copyright code: d41d8  
cd98f00b204e9800998  
ecf8427e.