NOTES for MatLab programs distributed to www.picosecond.com requests
Each program contains a lot of explanatory notes on how to use it.
Some programs also include technical references.

PulseMeasV31.m (8/31/09)
performs Pulse Parameter Analysis of a pulse waveform.
plots waveform and gives a table of results. Measures either
step-like or impulsive waveforms or measures all pulses in
determine 0% baseline and 100% topline levels.

SpecAnalysisV21.m (9/7/09)
Spectrum Analyzer program for periodic or transient waveforms measured by a digital oscilloscope. For details see PSPL app.note AN-16a -- minor mod from 2004 version 2.0

TDVNAv21.m (9/7/09)
Time Domain Vector Network Analyzer program to determine S11 & S21 parameters from digital oscilloscope TDR & TDT measurements. For details, see PSPL app. note, AN-16a --- minor mod from 2004 version 2.0

HdeconV3.m (9/7/09)
Deconvolution program. Determines system impulse response, h(t) from input & output TDT waveforms measured by a digital oscilloscope. See PSPL app.note, AN-18
Includes a selection of decon filters, plus a NEW Noise Floor filter.

VinDeconV31.m (9/6/09)
Deconvolution program. Determines input waveform, vin(t) from output waveform, vout(t) and system impulse response, h(t). General purpose program for most waveforms. h(t) must have a time window of 2*Tw and have 2*N data points
For details, see PSPL app.note, AN-18
Includes a selection of decon filters, plus a NEW Noise Floor filter.
<table>
<thead>
<tr>
<th>File Name</th>
<th>Description</th>
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<tbody>
<tr>
<td>JitterDeconV1.m</td>
<td>Jitter Deconvolution program. Deconvolution of vin(t) from vout(t) &amp; jitter Gaussian impulse response hj(t). Uses NEW Noise Floor Filter technique. See PSPL app. note, AN-23</td>
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<tr>
<td>Plot4Waveforms.m</td>
<td>Waveform plotting program for 1 to 4 waveforms. All must be for same time window and have same # of data points.</td>
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<tr>
<td>WaveModifyV1.m</td>
<td>Program allows user to modify a waveform array, by reducing # of data points, time shifting and zero padding.</td>
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<tr>
<td>WaveModifyV2.m</td>
<td>Program allows user to modify a waveform array, by time shifting, and selecting a smaller time window and the # of data points (more or less) using interpolation.</td>
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