# Discrete Wavelet Transforms:
## some tips, tricks, concepts, and applications


Practical and Useful Tips on Discrete Wavelet Transforms. IEEE Signal Processing Magazine, v.32, n. 3, pp. 162-166, 2015.
( http://dx.doi.org/10.1109/MSP.2014.2368586 )

A note on a practical relationship between filters coefficients and the scaling and wavelet functions of the discrete wavelet transform. Applied Mathematics Letters. v.24, n.7, pp.1257-1259, 2011.
( http://dx.doi.org/10.1016/j.aml.2011.02.018 )

Time-frequency Analysis of Biosignals. IEEE Engineering in Biology and Medicine Magazine. v.28, n.5, p. 14-29, 2009.
( http://dx.doi.org/10.1109/MEMB.2009.934244 )

Introduction to the Discrete Shapelet Transform and a New Paradigm: joint time-frequency-shape analysis. In: Proc. IEEE International Symposium on Circuits and Systems (IEEE ISCAS 2008), Seattle, WA, USA. p. 2893-2896, 2008.
( http://dx.doi.org/10.1109/ISCAS.2008.4542062 )

Wavelet Time-frequency Analysis and Least-Squares Support Vector Machine for the Identification of Voice Disorders. Computers in Biology and Medicine, Elsevier, v. 37, n. 4, p. 571-578, 2007.
( http://dx.doi.org/10.1016/j.compbiomed.2006.08.008 )

A New Technique to construct a wavelet transform matching a specified signal with applications to digital, real-time, spike and overlap pattern recognition. Digital Signal Processing, Elsevier, v. 16, n. 1, p. 24-44, 2006.
( http://dx.doi.org/10.1016/j.dsp.2005.04.002 )