

**Quelques références de base liées aux divers cours du master THCS (ces ouvrages se trouvent en principe à la Bibliothèque de Mathématiques Informatique, BMI) – Contacter A. Yger si l'ouvrage est indisponible.**

[Discrete-Time Signal Processing \(2nd Edition\) \(Prentice-Hall Signal Processing Series\)](#) par Alan V. Oppenheim, Ronald W. Schafer, and John R. Buck

[Digital Signal Processing](#) par Alan V. Oppenheim and Ronald W. Schafer

[A Wavelet Tour of Signal Processing, Third Edition: The Sparse Way](#) by Stéphane Mallat

[The Mathematics of Computerized Tomography \(Classics in Applied Mathematics\)](#) by Frank Natterer

[Reconstructive Integral Geometry \(Monographs in Mathematics\)](#) by Victor Palamodov

[Probability, Random Variables and Stochastic Processes with Errata Sheet](#) by Athanasios Papoulis and S. Unnikrishna Pillai

[Signal Analysis](#) by Athanasios Papoulis (Hardcover - May 1977)

[Ten Lectures on Wavelets \(CBMS-NSF Regional Conference Series in Applied Mathematics\)](#) by Ingrid Daubechies

[Digital Image Processing Using MATLAB\(R\)](#) by Rafael C. Gonzalez, Richard E. Woods, and Steven L. Eddins

[Introduction to Digital Speech Processing \(Foundations and Trends\(R\) in Signal Processing\)](#) by Lawrence R. Rabiner and Ronald W. Schafer

[L'algèbre discrète de la transformée de Fourier](#) , Gabriel Peyré (Ellipses, 2004)

[Introduction to the mathematics of medical imaging](#), C. Epstein, Siam books, 2007.

[Mathématiques Appliquées L3](#), Pearson Education, 2009 (A. Yger et J.A. Weil)