

PROBABILITA'

Table with 3 columns: Probability distributions (Normal, Uniform, Bernoulli), their mathematical formulas, and related concepts like variance and central limit theorem.

SEGNALI

Table detailing signal processing concepts: Gradino (step function), Triangolo (triangular pulse), Impulso di Dirac (Dirac delta), Rettangolo (rectangular pulse), Decibel (power ratios), and various convolution and energy formulas.

RAPPRESENTAZIONE DI SEGNALI COME VETTORI

Table on vector representation of signals: Gram-Schmidt orthonormalization, projection of signals onto a subspace, and the AWGN channel model.

TRASMISSIONE DIGITALE

Table on digital transmission: Bit mapping, modulation, demodulation, and decision probability in the presence of noise.

DEMODULAZIONE DIGITALE

Table on digital demodulation: Bit demapping, signal processing in the presence of noise, and receiver implementation details.

TEOREMA DELL'IRRILEVANZA (canale AWGN)

Table on the Irrelevant Theorem: Signal processing in AWGN channels, MAP and MD (Maximum Likelihood Decision) receiver structures.

MODULAZIONE DIGITALE BINARIA

Table on binary digital modulation: BPSK, QPSK, and related formulas for signal energy, error probability, and SNR.

MODULAZIONE DIGITALE M-ARIA (M>2)

Table on M-ary digital modulation: M-PSK, M-QAM, and related formulas for signal processing, error probability, and energy.

