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The most common processing approach in the time or space domain is enhancement of the input signal through a method called filtering. Digital filtering generally consists of some linear transformation of a number of surrounding samples around the current sample of the input or output signal. There are various ways to characterize filters; for example:

Digital signal processing - Wikipedia

A publication of the European Association for Signal Processing (EURASIP) Signal Processing incorporates all aspects of the theory and practice of signal processing. It features original research work, tutorial and review articles, and accounts of practical developments.

Signal Processing - Journal - Elsevier

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Lecture Notes | Signal Processing: Continuous and Discrete

In communication systems, signal processing, and electrical engineering, a signal is a function that "conveys information about the behavior or attributes of some phenomenon". A signal may also be defined as an "observable change in a quantifiable entity". In the physical world, any quantity exhibiting variation in time or variation in space (such as an image) is potentially a signal that ...

Signal - Wikipedia

Fundamentals of Statistical Signal Processing, Volume III Practical Algorithm Development Steven M. Kay
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Digital Signal Processing is distinguished from other areas in computer science by the unique type of data it uses: signals. In most cases, these signals originate as sensory data from the real world: seismic vibrations, visual images, sound waves, etc. DSP is the mathematics, the algorithms, and the techniques used to manipulate these signals after they have been converted into a digital form.

The Roots of DSP - Digital signal processing

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Signal processing is a discipline in electrical engineering and in mathematics that deals with analysis and processing of analog and digital signals, and deals with storing, filtering, and other operations on signals. These signals include transmission signals, sound or voice signals, image ...

Digital Image Processing Introduction - Tutorials Point

EEG Based Emotion Recognition System Prashant Lahane^{#1}, Shrutika Lokannavar^{*2}, Apurva Gangurde^{*3}, Poonam Bhosale^{*4}, Pooja Chidre^{*5} #Computer Department, MIT College Of Engineering Pune, India
^{*}Computer Department, Savitribai Phule Pune University Pune, India Abstract“In this paper we have shown emotion recognition through EEG processing. Based on the literature work, we

EEG Based Emotion Recognition System - IJCSIT

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