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What is digital signal processing? Digital signal processing (DSP) is the method of processing signals and data in order to enhance, modify, or analyze those signals to determine specific information content. It involves the processing of real-world signals that are converted to, and represented by, sequences of numbers.

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What is Digital Signal Processing?

Digital: operating by the use of discrete signals to represent data in the form of

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numbers Signal: a parameter (electrical quantity or effect) that can be varied in such a way as to convey information  
Processing: a series operations performed according to programmed instructions changing or analysing information which is measured as discrete sequences of numbers 4

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Introduction Digital signal processing is a powerful technology that is widely used in many applications, such as automotive, consumer, graphics/imaging, industrial, instrumentation, medical, military, telecommunications, and voice/speech

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processing (for our purpose processing of discrete-time signals as instances of digital signal processing).

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