

Digital Signal Processing Principles Algorithms And Applications

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Digital Signal Processing (DSP) Tutorial – DSP with the Fast Fourier Transform Algorithm *Introduction to Signal Processing*

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An understanding of the underlying mechanisms and the limitations of basic digital signal processing methods is essential for the design of more complex algorithms, such as for example the recent contributions on indirect detection of supermassive black holes heavily relying on system identification and image processing.

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DSP algorithms may be run on general-purpose computers and digital signal processors. DSP algorithms are also implemented on purpose-built hardware such as application-specific integrated circuit (ASICs).

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