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Digital signal processing Analog/digital and digital/analog converter, CPU, DSP, ASIC, FPGA. Advantages: • noise is easy to control after initial quantization • highly linear (within limited dynamic range) • complex algorithms fit into a single chip • flexibility, parameters can easily be varied in software • digital processing is insensitive to component tolerances, aging,

Digital Signal Processing - University of Cambridge

Richard G. Lyons is a consulting Systems Engineer and lecturer with Besser Associates in Mountain View, California. He is author of the book "Understanding Digital Signal Processing", editor and contributor to the book "Streamlining Digital Signal Processing", and has authored numerous articles on DSP.

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