Continuous-Time Digital Signal

Technology #m03-011

“Name of the inventor: Yannis Tsividis

Continuous-Time Digital Representation, Generation, Processing, Transmission, Storage.

The method of generating a continuous-time quantized and digitized signal comprises producing a sequence of discrete signals corresponding to the analog signal. Each discrete signal corresponds to the analog signal falling within a set of contiguous amplitude ranges. A sequence of continuous-time digital words is produced. Each of the digital words represents a corresponding discrete signal from the sequence of discrete signals. The continuous-time digital word can change state at any point along a time continuum. Digital Signal Recorded Without Quantization Noise The method does not produce aliasing and quantization "noise" which includes numerous components non-harmonically related to the signal being processed. ”

Inventors

Yannis Tsividis