POJASNI SIGMA DELTA MODULATOR

DRUGOG REDA

Završni rad

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Ključne riječi: A/D pretvorba, sigma delta modulacija, analogni signal, digitalni signal, kvantizacija, alasing.

SUMMARY

This final paper deals with bandpass sigma delta modulation and displayed simulation in Matlab. In the beginning analog-digital (A/D) converter was described as its cons. After that it was described how A/D converters work. Afterwards terms about A/D converting were described: quantization and alasing. Further was describe sigma delta modulation and in matlab made simulation. Its also describe what is lawpass sigma delta modulator 1st order.

Key word: A/D convertors, sigma delta modulation, analog signal, digital signal, quantization, allasing.