

Abstracts

Sigma-delta ADC and DAC for digital wireless communication

Zhongming Shi. "Sigma-delta ADC and DAC for digital wireless communication." 1999 Radio Frequency Integrated Circuits (RFIC) Symposium 99. (1999 [RFIC]): 57-62.

This paper provides a brief overview of Sigma-Delta (/spl Sigma//spl Delta/) ADC and DAC techniques. An emphasis is given on their applications in wireless communication. It first introduces the theory and design methodology of low-power and high-resolution /spl Sigma//spl Delta/ ADCs and DACs for audio applications. The discussion then leads to high speed /spl Sigma//spl Delta/ ADCs and DACs for RF baseband channel application in wireless communication. Finally, a discussion is given on IF bandpass /spl Sigma//spl Delta/ ADCs and DACs.

[Return to main document.](#)