A 1.8V Digital A/D Converter in 0.18μm CMOS
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A digital A/D converter (DAD) for audio applications is presented. The whole converter consists only of
digital CMOS logic and some resistors and capacitors. No linear amplifier is needed. This kind of AD
converter is mostly a pure digital design, hence the name and title. A prototype for 20KHz audio
applications with a 80dB dynamic range and 44.1KHz output sample rate was designed and
processed in 0.18-μm CMOS.