

Multi slope A/D converters. Why the 50 years old technology is still (the only one?) relevant for the highest performance applications? (FEI STU)

Monday 19 February 2024 15:40 (30 minutes)

- The talk will explain historic developments of integrating ADCs, from single-slope, through multi-slope to charge balance multi-slope types.
- Performance limitations of these ADCs will be explained, especially those relevant for metrological quality devices.
- Some arrangements of multi-slope integrating ADCs do have an overlap with sigma-delta ADCs.
- An outlook on ADC concepts other than integrating ones will close the talk.

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