# Study of R-2R DAC and Gray Code Input DAC for Glitch Reduction

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## Glitches



Serious deterioration of images, videos, sounds

#### Remedy

- High-order reconstruction filter usage
- Track/Hold circuitry usage at output.
- Using Gray code input DAC topologies

Extra Space in IC,

## Final Statement

Coding method can lead to robust mixed-signal circuit design.

Gray code was invented by Frank Gray at Bell Lab in 1947.



FRANK GRAY and A. L. Johnsrud in television booth. Behind the glass panels at sides and top are the photo-electric cells.

