High Performance Analog

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Summary: Discussion and detailed presentation of TI's key technologies and how they compare to other similar one in the industry.
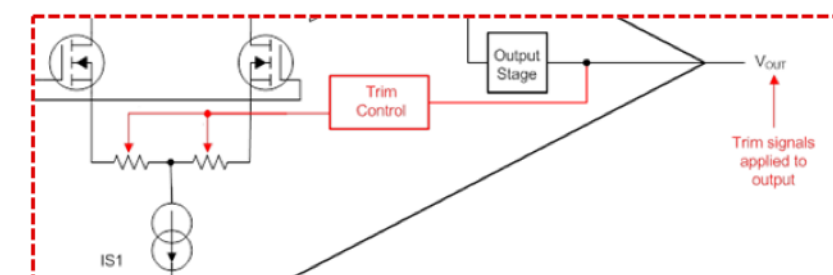
Keywords: Zero Drift, chopper stabilization, Zero cross over, Super Beta, Mux Friendly

Description of your Keynote Presentation

This presentation will address key technologies and IC design techniques which provide state of the art signal chain components to address the challenges of analog design.
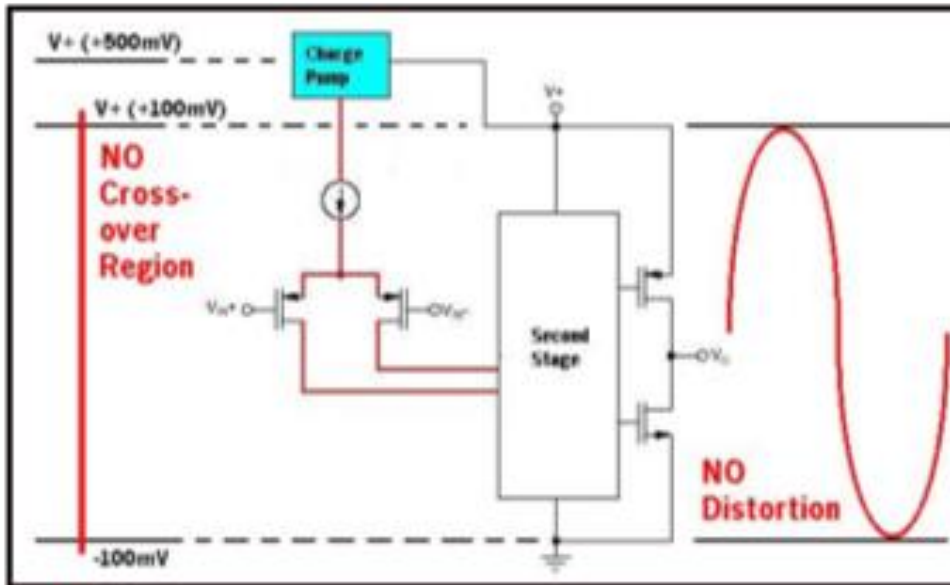
We will discuss various process technologies and design implementations as well as advantages and shortcomings of some over others.

The audience will learn how to select the appropriate technology for the application circuit and optimize their design for the end equipment.
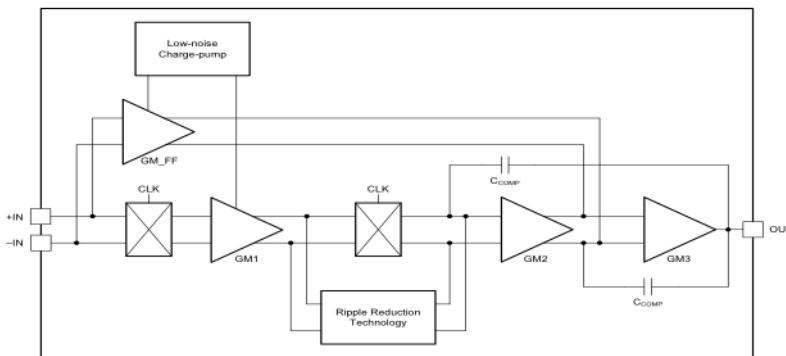

Etrim is a properitary technique which allows to reduce the offset voltage and drift over temperature to very low levels.

> **This technique is done post packaging to avoid mechanical stress**

Zero cross over removes the "dead-band" induced by the transition from a P-channel transistor to a N-channel, the result is a distortion free signal at the output which helps maintain signal integrity

Zero Drift is a technology which consists of having the device calibrates itself continuously to reduce DC errors and eliminate undesirable noise source such as low frequency noise.