

Selection of amplifier for optimized charge transfer in active pixel CMOS time of flight (TOF) image sensors.

ABSTRACT

Although CMOS Time-of-Flight Range Image Sensors have been recently realized, the fabrication process is modified by inserting an extra mask layer to allow efficient TOF dependent charge transfer.

Keyword: Time of Flight (TOF); Charge Transfer Efficiency (CTE); CMOS Amplifiers; TOF Pixels; Casocode Amplifier.