

26RE124 Linearization of A/D converters using dither

Balázs Renczes¹⁷³, István Kollár¹⁷³

In this paper a novel approach to A/D conversion is introduced. By significant oversampling we can select data points which we know the value of precisely – these are the samples at threshold crosses. To have adequate number of threshold crosses dither is added. Finally, to ensure uniform-sampled data, interpolation is launched.



OBSEA detail, picture by Ramon Margalef