Crosstalk

The data retrieved by some types of A/D board may exhibit crosstalk, in which the output from a certain channel will affect those from neighboring channels. By adjusting the scanning clock time interval ($t_{\text{clock}}$) and/or by using not all the channels, the extent of crosstalk can be reduced.

(a) Artificially changed

(b) Affected by the change in Ch. 10

(c) Affected slightly by the change in Ch. 10

(d) Unaffected by the change in Ch. 10

Fig. (a) Crosstalk with $t_{\text{clock}} = 10 \, \mu\text{sec}$
(b) Crosstalk with $t_{\text{clock}} = 60 \, \mu\text{sec}$

(unpublished data recorded at IIS, the University of Tokyo, Japan)