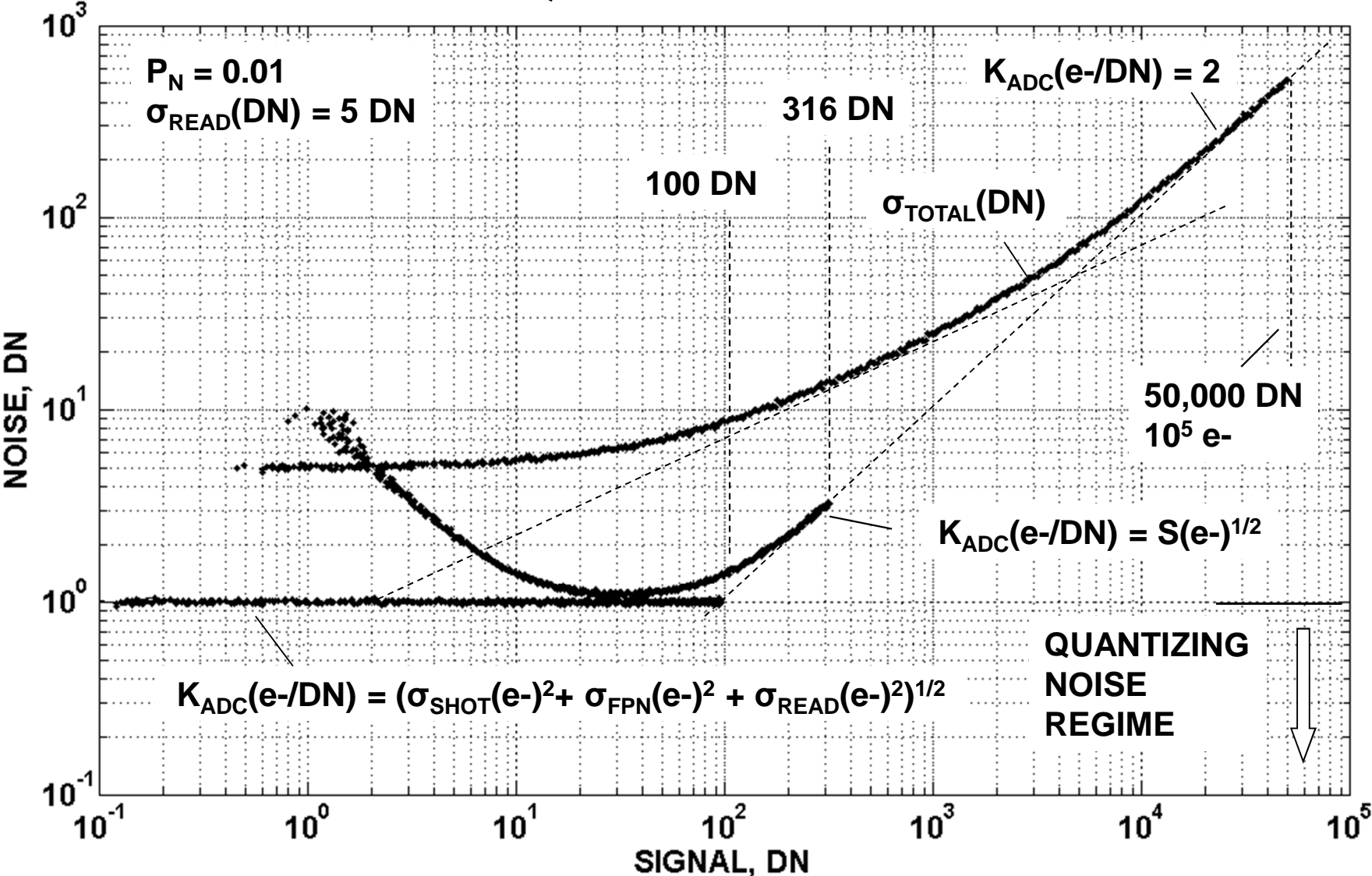


SQUARE ROOTER

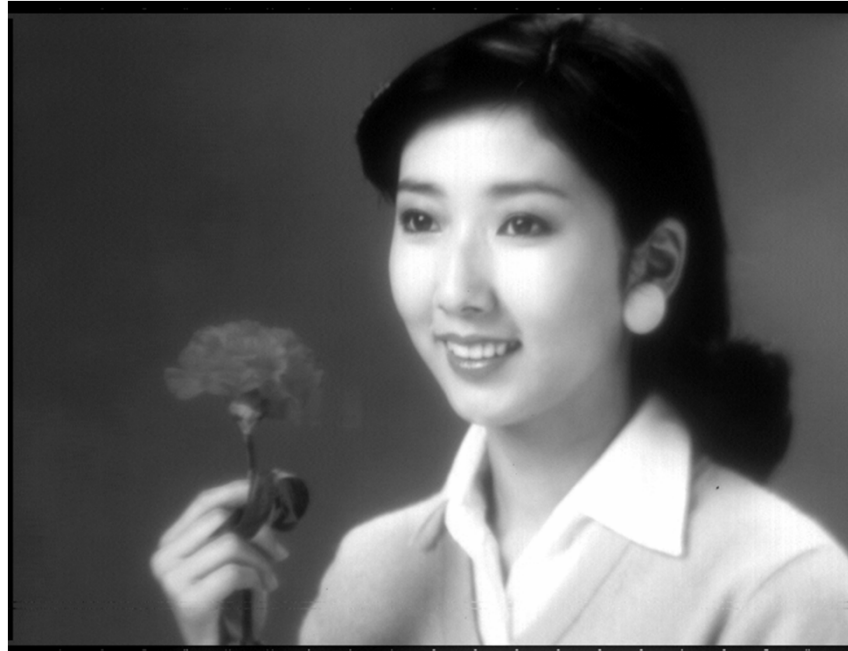


SQUARE ROOTER

Table 7.1 Square-root look up table

Linear 8 Bit	Square-root, 4 Bit	Square-root 5 Bit	Square-root 6 Bit	Square-root 7 Bit
256	16	32	64	128
255	16	32	64	128
254	16	32	64	127
253	16	32	64	127
252	16	32	63	127
251	16	32	63	127
250	16	32	63	126
249	16	32	63	126
.....
240	15	31	62	124
230	15	30	61	121
220	15	30	59	119
210	14	29	58	116
40	6	13	25	51
30	5	11	22	44
20	4	9	18	36
10	3	6	13	25
5	2	4	9	18
4	2	4	8	16
3	2	3	7	14
2	1	3	6	11
1	1	2	4	8
0	0	0	0	0

SQUARE ROOTER



10 BIT



5 BIT



4 BIT

10 BIT CMOS VGA
10 BIT TO 5 BIT