

Simple 1-D example of gradient modification

Assume I is the input gradient whose minima are to be modified.

9	8	5	7	3	2	1	I
0	0	0	0	0	255	0	M
255	255	255	255	255	0	255	M_inv
9	8	5	7	3	0	1	I'
255	255	255	255	255	0	255	M_inv_0
255	255	255	255	0	0	0	ero(M_inv_0)
255	255	255	255	3	0	1	M_inv_1
255	255	255	3	0	0	0	ero(M_inv_1)
255	255	255	7	3	0	1	M_inv_2
255	255	7	3	0	0	0	ero(M_inv_2)
255	255	7	7	3	0	1	M_inv_3
255	7	7	3	0	0	0	ero(M_inv_3)
255	8	7	7	3	0	1	M_inv_4
8	7	7	3	0	0	0	ero(M_inv_4)
9	8	7	7	3	0	1	M_inv_5
8	7	7	3	0	0	0	ero(M_inv_5)
9	8	7	7	3	0	1	M_inv_6

Note: M_inv_5 is equal to M_inv_6