

$[-\alpha, +\alpha]$.

$y^*[n]$

$$y^*[n] = y^*[n-1] + (1-\alpha)x[n], \quad (1)$$

$0 < \alpha < 1$

$$y^*[n] = y^*[n-1] + \frac{1}{W_0} (x[n] - x[n-W_0]), \quad (2)$$

$$y^*[n] = \frac{1}{2W_0 + 1} \sum_{j=-W_0}^{W_0} x[n+j] \quad (3)$$

$$y^*[n] = y^*[n-1] + \frac{1}{W_0} (x[n+W_0] - x[n-1-W_0]), \quad (4)$$

$= 1/(1+2W_0)$

$n,$

W_0

$n \in N-W_0$.

W_0

W_0

W

()

$$y^*[z] = \frac{1}{2W_n + 1} \sum_{j=-W_n}^{W_n} x[z + j] \quad (5)$$

n .

W_1, W_2, \dots, W_N

: 1.

», 2002.- 96-104; 2.

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681.2

[1].