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[1].

[2].

[3].

$$x = (x_1, x_2, \dots, x_M),$$

$$M$$

$$(\dots)$$

$$) [4].$$

$$F^x(a)$$

$$x = (x_m),$$

$$m = 1, 2, \dots, M,$$

$$\{ - < < \}.$$

[3]

$$\| F^x(a) \|$$

$$Q(o_1, \mathbb{R}_2),$$

$$Q = \{ |(-_2 < < -_1) \wedge (-_1 < < -_2)\}, \quad (1)$$

$$0 < \dots, \dots < \dots,$$

$$= (y_n), n = 1, 2, \dots, N,$$

$$Q^D (\dots / D, \dots / D)$$

$$Q = \{ |(-_2 / D < < -_1 / D) \wedge (-_1 / D < < -_2 / D)\}, \quad (2)$$

$$N = D(M - 1) + 1, \quad (3)$$

$$D - 1$$

$$F^y(a) = \begin{cases} F^x(Da), & oa \in Q^D, \\ 0, & D, \end{cases} \quad (4)$$

$$F^x(0), F^x(a) \dots .x, Q^D -$$

(2) [5],

(4) $yD(m-1)+1 = x_m \cdot m$ (5)

Q^D (2).

$x(t)$
 $y(t):$

$(t) = x(t_j) + \int z(v)dv$, (5)

$y(ti) = x(t_j), i = 1,2,\dots, M$, (6)

$z(v) -$

Q^D

(5)

$\dots = \dots \}, \dots = 1,2,\dots, N-1,$

$\dots \min_i \dots R^{N-1} \dots x_{j=\epsilon}$ (7)

$D - [3], (N-1) (N-1),$

Q (3); $x = (x_2, \dots, x_M)$
 $(M-1)?$

$; B - (M-1) (N-1),$

$B D, 2D, \dots, (M-1)D (B -$

$0 1$

$(N-1) (N-1)).$

.1 1,

$\dots = \sum_{i=1}^{N-1} \dots$ (8)

$$x = (Q^T W B Q W^{-1} Q^T f f)^{-1} (x - x_j f), \quad (9)$$

$$Q = I - L, \quad (10)$$

$$L = \text{diag}(l_1, l_2, \dots, l_N).$$

$$y_j = X_i^T + B Q W (B Q W^{-1} Q^T W)^{-1} (x - X_i f), \quad (11)$$

$$y = (y_2, y_3, \dots, y_N)^T, \quad (N-1).$$

(9), (11)

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1. [] /
 2. [] /
 3. [] /
 4. [] /
 5. [] /
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