$[G1\,;G2]$

G

$[G2; G1]$

B

$[B1\ G1;\ B2\ G2;\ G3]$

U

$$Gi_g \ + H\{\#:\#\}$$

i_g

$H\{\#:\#\}$

#

*

$B\ i_D$

i_D

$C\ i_D$

A

$[B1\ G1;\ B2\ G2]$

-->

$= \chi =>$

P

C

S

N

N

=

[...]

$\{\cdots\}$

0

$\{0, 0\}$

$\{+, +\}$

$\{+, 0\}$

$\{0, +\}$

X_{ij}

=

$$\hat{x}_i + \epsilon \Delta x \Gamma_x(x_i, y_j)$$

Y_{ij}

$\hat{y}_j + \epsilon \Delta y \Gamma_y(x_i, y_j)$

X_{ij}

Y_{ij}

$\hat{x}_i$

$\hat{y}_j$

$0 < \epsilon < 1$

Δx

Δy

Γ

$\Gamma(x_i, y_j)$

$$\Gamma_x(x_i, y_j) = -(x_i/L_x)(1 - x_i/L_x)(0.5 - x_i/L_x)(y_j/L_y)(1 - y_j/L_y)$$

$$\Gamma_y(x_i, y_j) = -(y_j/L_y)(1 - y_j/L_y)(0.5 - y_j/L_y)(x_i/L_x)(1 - x_i/L_x)$$

$$\Gamma_x(x_i, y_j) = +(x_i/L_x)(1 - x_i/L_x)(0.5 - x_i/L_x)(y_j/L_y)(1 - y_j/L_y)$$

$$\Gamma_y(x_i, y_j) = +(y_j/L_y)(1 - y_j/L_y)(0.5 - y_j/L_y)(x_i/L_x)(1 - x_i/L_x)$$

$$\Gamma_x(x_i, y_j) = \sin(4\pi x i / L_x) \cos(6\pi y_j) / L_y)$$

$$\Gamma_y(x_i, y_j) = \sin(4\pi x i / L_x) \cos(6\pi y_j) / L_y)$$

$$\Gamma_y(x_i, y_j) = \sin(4\pi yj/L_y)\cos(6\pi x_i)/L_x)$$

&

2.1

0.1

$$|a+b| + a * \cos(2\pi * k_x * x/L_x) + b * \sin(2\pi * l_y * x/L_y)$$

2×3

$(1,2) - - > (2,1)$

1×2

2×1

$D1 == 1$

$D2 = 2$

$D2 = *1$

$1 \times NPETS$

$NPETS \times 1$

$D1$

$D2$

$N \times N \leq NPETS$

$NPETS = 4$

$N = 2$

$N = 2$

$NPETS = 6$

$2N \times 1/2N$

$D1 = *2$

$1/2N \times 2N$

$D2 = +1$

$2N$

$1/2N$

$D2 = *0.5$

$(1/2)(N) + 1$

$2N \times (1/2)(N) + 1$

$(1/2)(N+1)$

$+P$

80×20

$G1\{80\}$

$G2\{20\}$

$npets \times 1$

$B1\{npets\}$

$B2\{1\}$

$/ = 1$

$/ = 2$

10^{19}

$< n >$

$-r8$

$-i8$

$< esmfKind >$

$$[42 * (2 * *4)] = 672$$