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(        ,        )

«        »,
(        ,        )

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,        ,        ,        -

,        .

[1-3].

$= (f_k),\ i = 1,2,...,Aj,\ k = 1,2,...,N_2,$        -

.

$V_r$^^ [1] (        )  -

^ 1        2 [1],        $Nj$        $N_1$

$N_2$        $N_2$        .        $G_r$^        ^        -

,

:

$$G_r = Q\,L\,QT\,,\qquad = U\,M\,UT\,,\tag{1}$$

$Q_r$^        $U$^        $G$^

^ ,        $L$^^        ^

$G_r$^        ^ ,

$$\varrho_r, = (q\text{^}, \text{q}22,...,\text{q}N_1),\ U_{r_2} = (u\text{^}2, u2r2,..., UN^2_2),\tag{2}$$

$$L_{r_1} = diag\ (\wedge_1', A_2',..., \qquad ),\ M_{r_2} = diag\ (\wedge_1{}^2,\ 2^2...,\ 2_2\ )$$

$$12 = (f,\text{^}!2),\ i = 1,2,...,N_1,\ k = 1,2,...,N_2,$$

$$= {}_q T^\wedge \, 0 \, U_{r_2,} \tag{3}$$

$y^{\wedge}\ell$, $i = 1,2,...,N^\wedge$, $k = 1,2,..., N_2,$

$$= (4?)^\wedge \qquad 2, \tag{4}$$

-

$q'T^l$, $i = 1,2,..., N_1,$     $u\,k r^2,$   $= 1,2,..., N_2,$                                        $G_r^\wedge$      $^\wedge$,

$V_{rr}^\wedge$ (                                                 -

).

(4)                                        .

,                                                      1 .                          -

,                                                                                        -

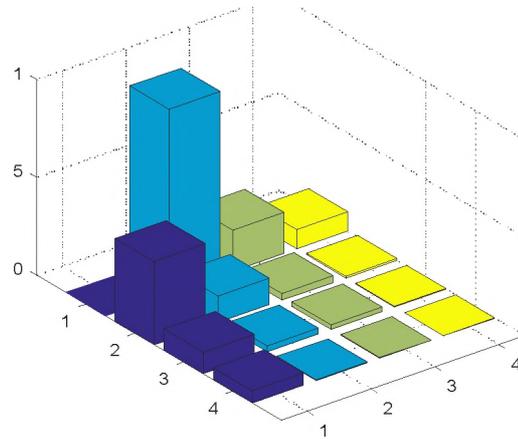(              2),                                          (                              -

)                                 32   32                       $(N_1 = N_2 = 32).$



. 1.                                                          :  -                              ;  -                                              -

-

-

$V_{rr-}^\wedge$, $r_1 = 1,2,..., A_j$, $r_2 = 1,2,...,R_2.$

$R_j = R_2 = 4,$                                                                               .

(              1 ),                                                      ,                           -

, (              1 ).

$V_{rr-}^\wedge$, $r^\wedge = 1,2,..., R_j$, $r_2 = 1,2,...,R_2,$

-

.                                                      2      -

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$V_{rr}^\wedge$

( $_l = 1$, $r_2 = \{1,2,3,4\}$),                                                              -

).

a



B

. 2.
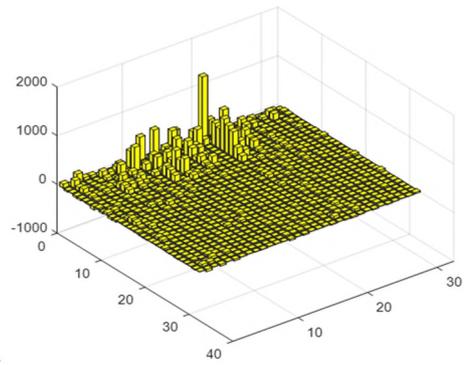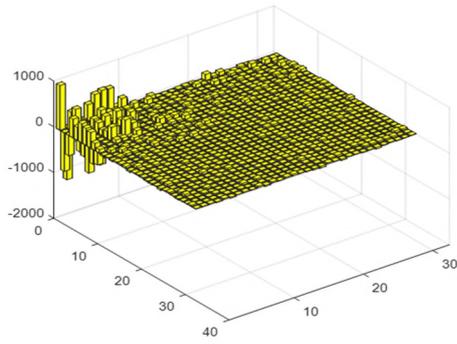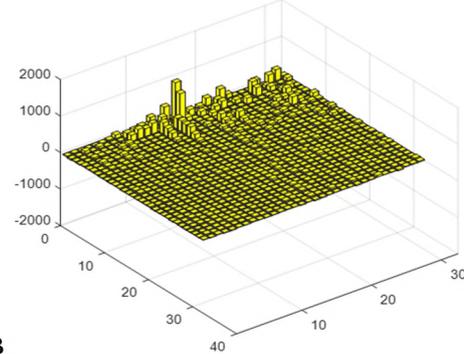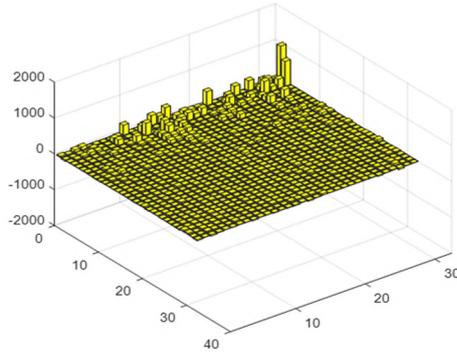
$V_r^{\wedge\wedge}$ ($r_1 = 1$,   $2 = \{1,2,3,4\}$):

-           1    ; ^ -           $1^{\sim'12}$; -           $1^{\sim'13}$; -           $1^{\sim'14}$

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(60%-75%)

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[4].

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