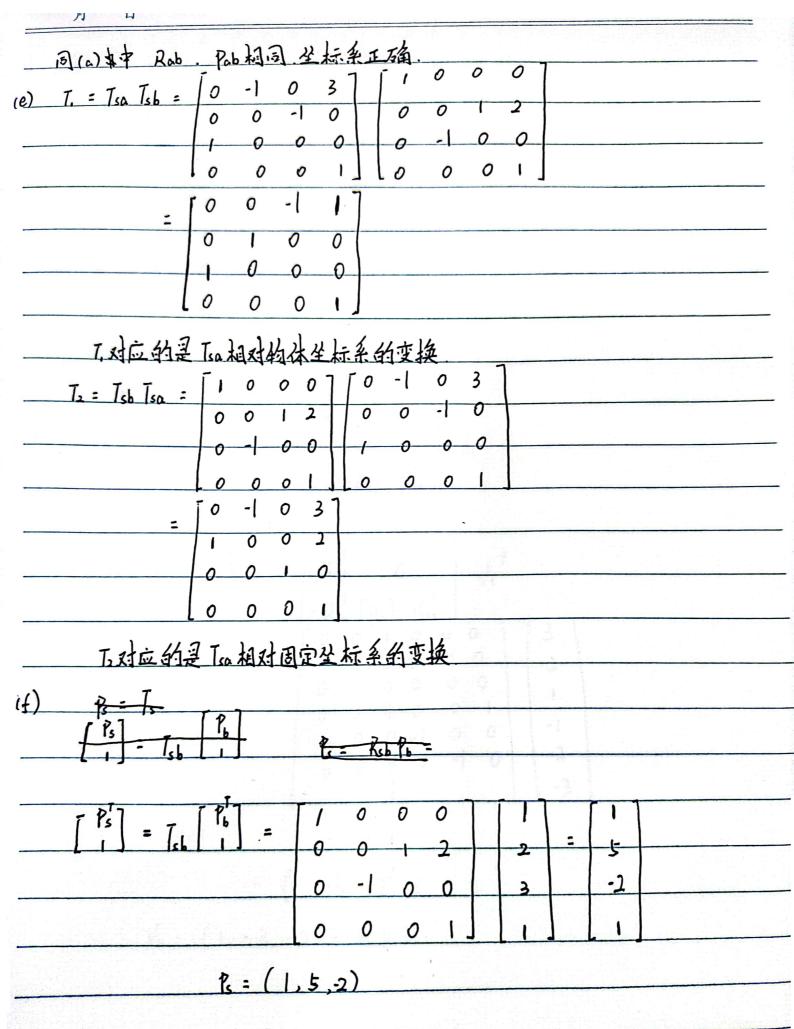


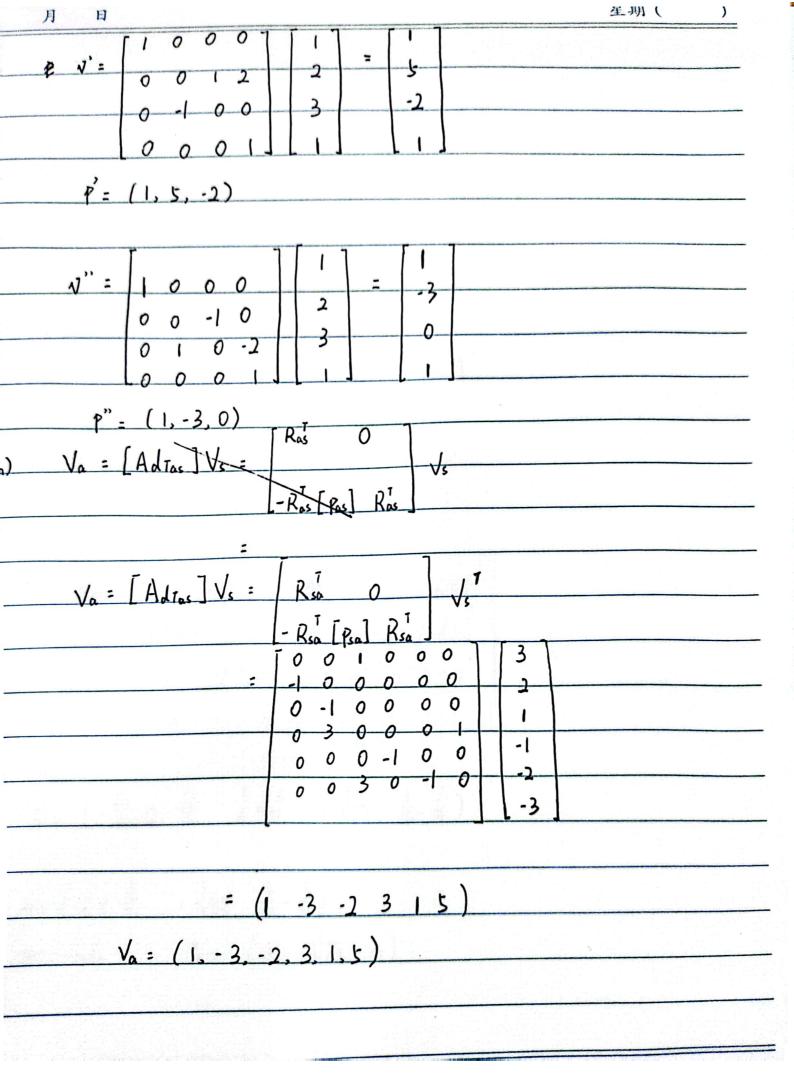
$$\begin{array}{c|c} P_{sb} : \begin{bmatrix} 0 \\ 2 \\ 0 \end{bmatrix} & \begin{array}{c} P_{sb} : \begin{bmatrix} 1 & 0 & 0 \\ 0 & 0 & 1 \\ 0 & -1 & 0 \end{array} \end{array}$$

(b)
$$\pm$$
 (a), \pm 1 $R_{50} = \begin{bmatrix} 0 & -1 & 0 \\ 0 & 0 & -1 \\ 1 & 0 & 0 \end{bmatrix}$ $R_{5b} = \begin{bmatrix} 1 & 0 & 0 \\ 0 & 0 & 1 \\ 0 & -1 & 0 \end{bmatrix}$

$R_{sb} = \begin{bmatrix} 1 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}$ $R_{sb} P_{sb} = \begin{bmatrix} 0 \\ 0 & 0 \\ 0 & 0 \end{bmatrix}$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
(d) Tab = Tas Tsb = Tsa Tsb = Rsa Tsa Rsa Rsb = Rsh O I D I
$R_{SQ} = \begin{bmatrix} 0 & -1 & 0 & 0 & 1 \\ -1 & 0 & 0 & 0 \\ 0 & -1 & 0 & 0 \end{bmatrix}$ $R_{SQ}^{T} = \begin{bmatrix} 0 & 0 & 1 \\ -3 & 0 & 0 \\ 0 & -1 & 0 \end{bmatrix}$
Tab: 0 0 1 0 1 0 0 0 0 1 2 0 -1 0 0 0 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0

老师批语:





月 日

(i) $\omega = \begin{pmatrix} -1 \\ 0 \end{pmatrix}$ $\theta = 90^{\circ}$ $P = \begin{pmatrix} 3, 0, 0 \end{pmatrix}$

$$G^{-1}(\theta) = \frac{2}{\pi} I - \frac{1}{\pi} [\hat{\omega}] + (\frac{2}{\pi} - \frac{1}{\pi} \times 1) [\hat{\omega}]^{2}$$

 $\lambda = G^{-1}(\theta) \vec{p} = \begin{pmatrix} \frac{3}{4} + \frac{3}{12} \\ -\frac{3}{4} + \frac{3}{12} \\ \frac{3}{12} - \frac{3}{4} \end{pmatrix}$

$$[s]0 = \begin{cases} 0 & -1.1107 & 0 & 2.618 \\ 1.1107 & 0 & -1.1107 & -1.666 \\ 0 & 1.1107 & 0 & 0.322 \\ 0 & 0 & 0 & 0 & -1.1107 \end{cases}$$

$$S = (-\frac{12}{5}, 0, \frac{12}{5}, \frac{3}{5}, \frac{3}{5}, -\frac{3}{5}, \frac{3}{5}, \frac{3}{5})$$

$$q = (\frac{3}{4} + \frac{3}{12}, -\frac{3}{4}, -\frac{3}{4}, -\frac{3}{4})$$
 $h = \frac{3}{4}$
 $h = (0, -\frac{3}{4}, \frac{1}{12}, 0)$

家长签字:

生州(

```
(i) S\theta = (0, 1, 2, 3, 0, 0)
   11611=1
  s=(0, 点, 产, 产, 0, 0)
  ①= (o, 是, 是)
  リ: (浸の,の)」
 0 = 55
       p[w]A
            = 1 + sin 0 [w] + (1- cos0) [w]2
             = I + 0.787 [3] + 1.617 [3]
                                       -1.617
               1 0.296 0.447
                                   +
                                               -1.2936 0.6468
               0.894
                                              0.6468 0.3234
               -0.447
               0.617
                     0.296 0.447
                0.894 -0.2936 0.6468
                -0.447 0.6468 1.3234
(10+ (1-cos0)[w] + (0-sin0)[w]2)V
= (I0 + 1.617 [w] + x 1.449 [w]2) V
    1.056
    1.941
    - 0.47
                                         1.056
                       0.296
              0.617
                                0.447
 \rho^{[s]\theta}
                      -0.2936 0.6468 1.941
              0.894
                                        - 0.97
                                1. 3234
                       0.6468
              -0.447
                                                   家长签字:
老师批语:
                 0
                                    0
                          0
```