

-0.2625	-0.4561	0.5382	-0.2524	0.5293	0.2991
0.3387	-0.0541	-0.5618	0.1242	0.7423	0.0172
0.1429	0.0037	0.3824	0.0984	0.2284	-0.8783
-0.7007	0.5569	-0.1794	-0.2653	0.2724	-0.1486
-0.0666	-0.5138	-0.4060	-0.6548	-0.1975	-0.3144
0.5482	0.4634	0.2266	-0.6419	0.0594	0.1333

-0.5484	-0.0292	0.8357
0.6481	0.6167	0.4469
0.5284	-0.7867	0.3193

8.8058	0	0
0	2.4397	0
0	0	0.0736
0	0	0
0	0	0
0	0	0

$$\begin{aligned}
A = & 8.8058 \begin{bmatrix} -2.625 \\ 0.3387 \\ 0.1429 \\ -0.7007 \\ -0.0666 \\ 0.5482 \end{bmatrix} \begin{bmatrix} -0.5484 & 0.6481 & 0.5284 \end{bmatrix} \quad (\text{主成份}) \\
& + 2.4397 \begin{bmatrix} -0.4561 \\ -0.0541 \\ 0.0037 \\ 0.5569 \\ -0.5138 \\ 0.4634 \end{bmatrix} \begin{bmatrix} -0.0292 & 0.6167 & -0.7867 \end{bmatrix} \quad (\text{次要成分}) \\
& + 0.0736 \begin{bmatrix} 0.5382 \\ -0.5618 \\ 0.3824 \\ -0.1794 \\ -0.4060 \\ 0.2266 \end{bmatrix} \begin{bmatrix} 0.8357 & 0.4469 & 0.3193 \end{bmatrix} \quad (\text{再次要成分})
\end{aligned}$$

$$A = \begin{bmatrix} \frac{2}{3} & \frac{7}{6} & \frac{10}{3} \end{bmatrix} + c \begin{bmatrix} -0.5484 & 0.6481 & 0.5284 \end{bmatrix}$$

$$c \in (-\infty, \infty)$$