

F – parallel real:

$$\begin{bmatrix} -2.9877e-08 & 7.06355e-05 & -0.0341329 \\ -7.0628e-05 & 1.65651e-06 & -0.113213 \\ 0.0340978 & 0.110394 & 1 \end{bmatrix}$$

E – parallel real:

$$\begin{bmatrix} 0.000860256 & 0.395484 & -0.108169 \\ -0.391266 & 0.00564393 & -0.913611 \\ 0.11141 & 0.911944 & 0.0056475 \end{bmatrix}$$

R – parallel real:

$$\begin{bmatrix} -0.666396 & 0.198052 & 0.718813 \\ 0.202832 & 0.975871 & -0.0808369 \\ 0.717479 & -0.0919289 & 0.690488 \end{bmatrix}$$

T – parallel real:

$$\begin{bmatrix} -0.912081 \\ 0.110428 \\ 0.39486 \end{bmatrix}$$

F – parallel cube:

$$\begin{bmatrix} 1.668e-07 & 6.16198e-05 & -0.00890672 \\ -5.53331e-05 & -4.05162e-06 & 0.104401 \\ 0.00758092 & -0.109176 & 1 \end{bmatrix}$$

E – parallel cube:

$$\begin{bmatrix} -0.0035821 & 0.492419 & 0.0744914 \\ -0.471104 & -0.0198652 & 0.879365 \\ -0.0568935 & -0.867722 & -0.0129186 \end{bmatrix}$$

R – parallel cube:

$$\begin{bmatrix} 0.526991 & -0.12337 & 0.840869 \\ -0.105844 & -0.991232 & -0.0790962 \\ 0.843254 & -0.0473179 & -0.535428 \end{bmatrix}$$

T – parallel cube:

$$\begin{bmatrix} 0.867157 \\ -0.0662056 \\ 0.493615 \end{bmatrix}$$

F – turned real:

$$\begin{bmatrix} 5.70559e-07 & 0.000121221 & -0.039057 \\ -0.000119936 & -5.06479e-06 & 0.0761189 \\ 0.0381034 & -0.0772662 & 1 \end{bmatrix}$$

E – turned real:

$$\begin{bmatrix} -0.013568 & 0.930331 & -0.07012 \\ -0.940202 & -0.0183365 & 0.331393 \\ 0.0826576 & -0.358346 & -0.000161776 \end{bmatrix}$$

R – turned real:

$$\begin{bmatrix} 0.761888 & -0.0376246 & -0.646616 \\ -0.0676267 & 0.988234 & -0.137185 \\ -0.644169 & -0.148248 & -0.750379 \end{bmatrix}$$

T – turned real:

$$\begin{bmatrix} -0.359698 \\ -0.076563 \\ -0.929922 \end{bmatrix}$$

F – turned cube:

$$\begin{bmatrix} 3.42662e-10 & 0.000552647 & -0.0947376 \\ -0.000530297 & -2.65447e-05 & 0.985803 \\ 0.091495 & -0.993448 & 1 \end{bmatrix}$$

E – turned cube:

$$\begin{bmatrix} -0.00278127 & 0.48723 & 0.0532972 \\ -0.477355 & -0.0135762 & 0.877317 \\ -0.0415875 & -0.871894 & -0.00966443 \end{bmatrix}$$

R – turned cube:

$$\begin{bmatrix} -0.530212 & 0.0892051 & -0.843159 \\ 0.0766534 & 0.995421 & 0.0571115 \\ -0.844393 & 0.0343498 & 0.534622 \end{bmatrix}$$

T – turned cube:

$$\begin{bmatrix} -0.871642 \\ 0.0475786 \\ -0.487829 \end{bmatrix}$$