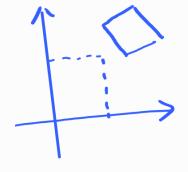
Affine Transformution (OHDE) 4724)

- · शेरिट- क्याव्युट्ट समिधिकाण नड्ट नपगना Affine सिर्ट्ट राष्ट्रवेष रिष्ठ सिर्धे अधिक निष्ठ मिले देशक
- · Homogeneous Coordinates
 - · HIGH (X,Y,Z,0) 은 이동 X
 - · 1216 (X,Y,Z,1) = 01% 0
 - . नित्र नित्र = नित्रीत
 - तिह + मनेट्र = तेशह



WIT OFFER AGOLD DET ALCOUNTER PROJECTIONER HEREZA

$$\alpha(u) = uA + b = [x, y, z] \begin{bmatrix} A_{11} & A_{12} & A_{33} \\ A_{21} & A_{32} & A_{33} \\ A_{31} & A_{32} & A_{33} \end{bmatrix} + [bx, by, bz] = [x', y', z']$$

उर्माधिमार तम्म क्रिय भक्ष

$$\begin{bmatrix} x, y, z, i \end{bmatrix} \begin{bmatrix} A_{11} & A_{12} & A_{13} & 0 \\ A_{21} & A_{22} & A_{23} & 0 \\ A_{31} & A_{32} & A_{33} & 0 \\ b_{21} & b_{22} & b_{22} & 1 \end{bmatrix} = \begin{bmatrix} 2c', y', z', i \end{bmatrix}$$

Affine Transformation

८भाव्य स्थ

$$S = \begin{bmatrix} S_{x} & 0 & 0 & 0 \\ 0 & S_{y} & 0 & 0 \\ 0 & 0 & S_{z} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

$$S' = \begin{bmatrix} 1/s_{x} & 0 & 0 & 0 \\ 0 & 1/s_{y} & 0 & 0 \\ 0 & 0 & 1/s_{z} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

शेर ध्रेय

$$R_{n} = \begin{bmatrix} C + (1-c)x^{2} & (1-c)xy + 5z & (1-c)xz - 5y & 0 \\ (1-c)xy - 5z & c + (1-c)y^{2} & (1-c)yz - 5x & 0 \\ C + (1-c)xz + 5y & (1-c)yz - 5x & 0 \\ C + (1-c)xz + 5y & (1-c)yz - 5x & 0 \\ C + (1-c)xz + 5y & (1-c)xz - 5x & 0 \\ C + (1-c)xz - 5x & C + (1-c)z^{2} & 0 \\ C + (1-c)xz + 5y & C + (1-c)z^{2} & 0 \\ C + (1-c)z^{2} & 0$$

$$R_{n}^{-1} = R_{n}^{T} = \begin{cases} C + (1-c)x^{2} & (1-c)xy - 5z & (1-c)xz + 5y & 0 \\ (1-c)xy + 5z & c + (1-c)y^{2} & (1-c)yz - 5x & 0 \\ (1-c)xz - 5y & (1-c)yz + 5x & c + (1-c)z^{2} & 0 \\ 0 & 0 & 0 & 1 \end{cases}$$