CH03-01 Reflection Mattices > 3/2 501 3/3 1/3 1/3 $A = \begin{pmatrix} (0) \\ (0-1) \end{pmatrix}, \chi = \begin{pmatrix} (\frac{1}{3}) \\ (\frac{1}{3}) \end{pmatrix} = \begin{pmatrix} (1) \\ (0-1) \end{pmatrix} \begin{pmatrix} (\frac{1}{3}) \\ (\frac{1}{3}) \end{pmatrix}$ A-A-I det=-1 $A = \begin{pmatrix} -1 & 0 \\ 0 & 1 \end{pmatrix}, X = \begin{pmatrix} 1 & 0 \\ y & 1 \end{pmatrix} = \begin{pmatrix} -1 & 0 \\ y & 1 \end{pmatrix} = \begin{pmatrix}$ AoftI $A = \begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix}, X = \begin{pmatrix} -1 & 0 \\ 0 & 1 \end{pmatrix} \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix} \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix} \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix} \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$; H W A中国 Scalling Mattices संको रेभाष्ट्र स्वित. det(A)=2 $A = \begin{pmatrix} a & 0 \\ 0 & 1 \end{pmatrix}, X = \begin{pmatrix} X \\ Y \end{pmatrix} \longrightarrow AX = \begin{pmatrix} a & 0 \\ 0 & 1 \end{pmatrix} \begin{pmatrix} X \\ Y \end{pmatrix} = \begin{pmatrix} aX \\ Y \end{pmatrix}$ $A = \begin{pmatrix} f \circ \\ o b \end{pmatrix}, \chi = \begin{pmatrix} \chi \\ y \end{pmatrix} \longrightarrow A\chi = \begin{pmatrix} f \circ \\ o b \end{pmatrix} \begin{pmatrix} \chi \\ \chi \end{pmatrix} = \begin{pmatrix} \chi \\ h \chi \end{pmatrix}$ det(10) = b don't builty letata. $A=\begin{pmatrix} a \circ \\ b \end{pmatrix}, \chi =\begin{pmatrix} x \\ y \end{pmatrix} - \chi =\begin{pmatrix} a \circ \\ b \end{pmatrix} \begin{pmatrix} x \\ y \end{pmatrix} = \frac{ax}{by}$ actao)=ab top aby oth that. Reflection Mattices of the original states of the states o Stees det til 1918. नि स्वधुरु हैत्

(Rotation Mattices) $A = \begin{pmatrix} \cos\theta & -\sin\theta \\ \sin\theta & \cos\theta \end{pmatrix} \implies$ 291/1912 det 252 / 14/1 2/12/ STATION peause ⇒ cost+sinto €1.)