

2. Rotation of the axis anto xiy-or z-axis 3. Rotation of the object 4. Inverse transformations of step $X_1 \ge \lambda 1$. step 1: vector is already running through $(O_1O_1)_1(O_2)_1(O_2)_2(O_$		on matrix:
2. Rotation of the axis anto xiy-or z-axis 3. Rotation of the object 4. Inverse transformations of step $X_1 \ge A I$. step 1: vector is already running bhowach $(0,0)$, (0)	Ben.	
4. Inverse trans formations of step $x_1 2 a 1$. step 1: Vector is already running bhough $(0,0)$ $($		
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Step 2: $v=\{1\}$ $\tilde{u}=u \text{ or malized } \tilde{v}= \tilde{v} \text{ and } \tilde{v} \leq \sqrt{2}$ $\Rightarrow \tilde{u}=\left(\sqrt{\frac{1}{2}}\right)$ $\Rightarrow \text{ rotation allowed } 2-\text{ axis } \text{ whom to the } y-\text{ axis}$ $\text{ hecessary : } \cos \omega \text{ , sind : } \omega \text{ is the begree between the votation axis on the } y-\text{ oxis}$ $\Delta x = \sqrt{\frac{1}{2}} \Delta y = \frac$		
$\Rightarrow \vec{a} = 1/\sqrt{2}$ $\Rightarrow \text{ rotation around } z - \text{ axis } \Rightarrow \text{ onto the } y - \text{ axis}$ $\text{ hecessary : } \cos \omega \text{ , since } ; \omega \text{ is the degree between the rotation axis and be } y - \text{ oxis}$ $\Delta x = 1/\sqrt{2} \Delta y = 1/\sqrt{2}$ $\int_{xy} \sqrt{2} \cdot \sqrt{2} \cdot \Delta y^2 + \Delta z^2 = \sqrt{2} \cdot \sqrt$		
$\Rightarrow \vec{a} = 1/\sqrt{2}$ $\Rightarrow \text{ rotation around } z - \text{ axis } \Rightarrow \text{ onto the } y - \text{ axis}$ $\text{ hecessary : } \cos \omega \text{ , since } ; \omega \text{ is the degree between the rotation axis and be } y - \text{ oxis}$ $\Delta x = 1/\sqrt{2} \Delta y = 1/\sqrt{2}$ $\int_{xy} \sqrt{2} \cdot \sqrt{2} \cdot \Delta y^2 + \Delta z^2 = \sqrt{2} \cdot \sqrt$	Step	1 = (1) = uormalized = = = = = v =
Mecessary: $\cos \alpha$, since 0 is the degree between the volation axis and by onis $ \Delta x = 1/\sqrt{2} \Delta y = 1/\sqrt{2} $		$\Rightarrow \vec{a} = \begin{pmatrix} 1/12 \\ 1/1/12 \end{pmatrix}$
$\int_{xy}^{x} = \sqrt{\lambda_x^2 + \lambda_y^2 + \lambda_z^2} = \sqrt{(\frac{1}{\sqrt{2}})^2 + (\frac{1}{\sqrt{2}})^2} = \sqrt{\frac{1}{2}} + \frac{1}{\sqrt{2}} = \sqrt{\frac{1}{2}}$ $\int_{xind}^{x} = \sqrt{\lambda_x} / x_y = \sqrt{2}$ $\int_{xind}^{x} = \int_{x} / x_y = \sqrt{2}$ $\int_{xind}^{x} = \int_{xind}^{x} = \int_{x} / x_y = \sqrt{2}$ $\int_{xind}^{x} = \int_{xind}^{x} = \int_{x} / x_y = \sqrt{2}$ $\int_{xind}^{x} = \int_{xind}^{x} = \int_{xind}^{x} = \int_{xind}^{x} = \int_{x} / x_y = \sqrt{2}$ $\int_{xind}^{x} = \int_{x} / x_y = \sqrt{2}$ $\int_{xind}^{x} = \int_{xind}^{x} = \int_{xind}^{$	400 030	
Step 3: Potation at of the object around $V-axi5$ inth $v=90^{\circ}$		
Step 3: Totation at of the object around y -axis with $y = 90^{\circ}$		
casa= $\Delta y/r_{xy} = 1/\sqrt{2}$ $\Rightarrow (\cos \alpha - \sin \alpha \ 0) (1/\sqrt{2}) = 0$ $\sin \alpha \cos \alpha \ 0 (1/\sqrt{2}) = 1$ $0 \ 0 \ 1 (0) \ 0$ Step 3: rotation and the object around $y - axis$ with $y = 90^\circ$		
Step 3: Totation set the object around y -axis with $y=90^\circ$		$casa = \Delta v/r_{xy} = \sqrt{2}$
Step 3: rotation as of the object around y-axis with y=90°		
Step 3: rotation at of the object around y-axis with y=90°		7
Step 3: rotation at of the object around y -axis with $\gamma = 90^\circ$ sint P : $p' = \begin{pmatrix} \cos 90^\circ & O & \sin 90^\circ \\ O & 1 & O \end{pmatrix} \begin{pmatrix} PA \\ P2 \end{pmatrix} = \begin{pmatrix} P3 \\ P2 \end{pmatrix} \begin{pmatrix} -\sin 90^\circ & O & \cos 90^\circ \\ O & \cos 90^\circ \end{pmatrix} \begin{pmatrix} P3 \\ P3 \end{pmatrix} \begin{pmatrix} -PA \\ P4 \end{pmatrix}$		1/1/2/7
$ \frac{1}{3} \ln \frac{1}{4} P = \frac{1}{3} \left(\frac{\cos 90^{\circ}}{0} O \sin 90^{\circ} \right) \left(\frac{91}{92} \right) = \frac{1}{92} \left(\frac{93}{92} \right) = \frac{1}{92} \left(\frac{1}{92} \right) = \frac{1}{92} \left($	Step	3: rotation arof the object around V-axis with ~= 900
-5ngo O cosgo P3 -P4	siat P:	p1_(cos30° 0 sn30° /p1 / p3
		-5n 90° O cos 90° / P3 / -PA

