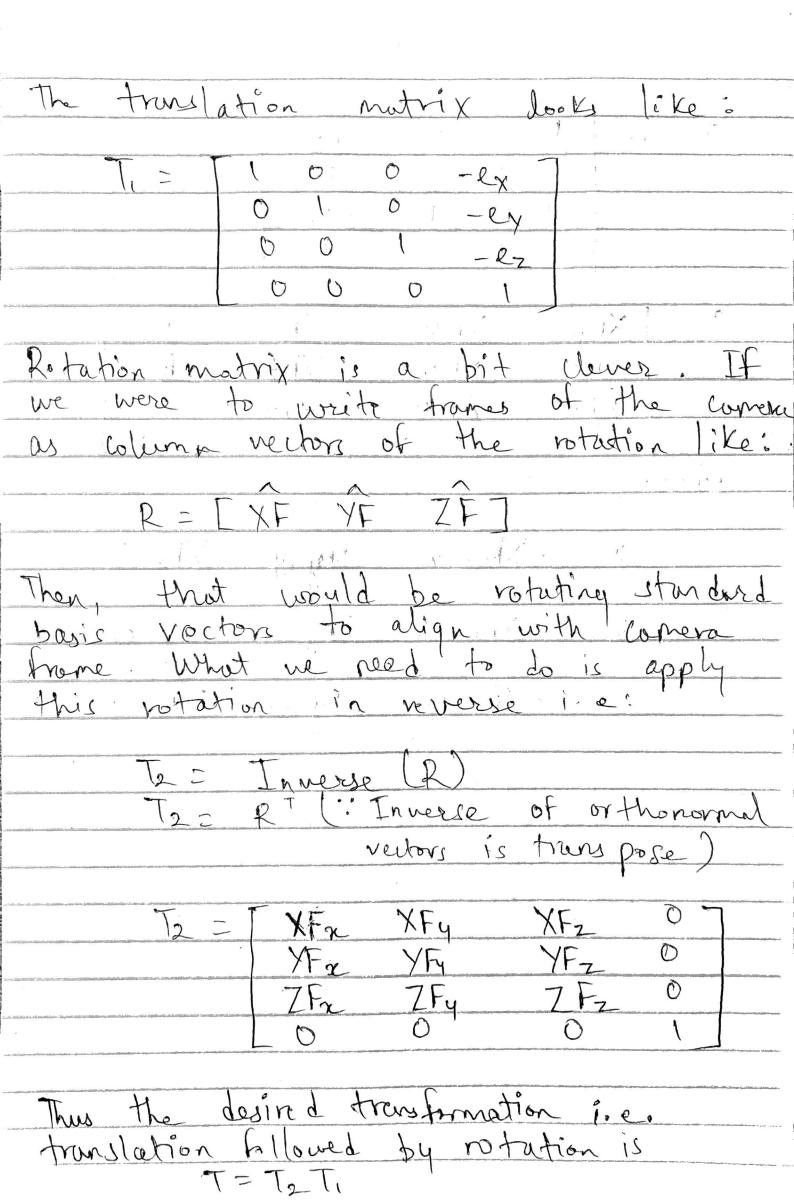
ALIGNING CAMERA AT WORLD SPACE TO THE ORIGIN
IN CAMERA SPACE
X X X X X X X X X X X X X X X X X X X
Fig: Camera in world space.
Fig: Comera at origin and looking at -Zaxis in camera Space:
Space. Space
In computer graphics, Camera is represented in
In computer graphics, Camera is represented in world space by following parameters:
1) Camera is located at some position (e)
1) Camera is located out some position (e) 2) Camera is looking out some point (d) 3) Camera has up direction (Q)
Direction at which the corners is looking
11 1-211

To align this camera at origin in comera space, E should be facing -2 axis. let us " unstruct a comera frame en world space such that its 2 is -ê Fig: Camera France. We can figure out rest of the axis of its XF = Normalize (a X ZF) YF = ZF X XF So, our transformation involves translating Currera from e to 0. Then applying rotation such that comera frame aligns with the standard basis vectors.



				Tor etailm Al himbrid a morning arms a constitution of	
ToTa		0	0	-ex	
et dieses sin-Pass Milliassen versionilitäterspriiteit implement plittinister und versione des engilements.	O		0	-ey	
-industrial traditions in the state of the destination of the state of	Q	0		-lz	3
art Olganina vaz drussus silli med sis dan Allassi su huyu, vu nası iş el 1990 da Andramu Andilles d	Q	0	0	1_	
ittika generin osu utvakusetta ju ett erigi fili li katik jali kiripusti heks suudit liikiten ja kirikiten <b>agai</b> tee					_
		X E .		A E	

where

a = -XFx. ex - XFy.ey - XFz.ez b = -YFx. ex - XFy.ey - YFz.ez

- ZFn. en - Zfy. ey -