



93 - 30"	03 = 0
1) Ti = [40, 00 0] 444 00 0 0 1 + 44	5 = [0 0 -49]
0 1 * Ly] 0 = 0°	
	5v: [0 0 4]
0, = 90	
T = [4 0 0] 0 0 0 0 1-4	° Jv = [0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
· Column 2 and column 3 are not linearly independent.	· Column 1 is composed of
This confirms that this is a	O only.
singularity.	We and robate around Z
We cannot translate horizontally	without changing the end-effection
(Xo) which is usually possible	The end- effector can't be
with the translate along Z	The end-affector can't be located out of the plan
and the whater around	(75)









