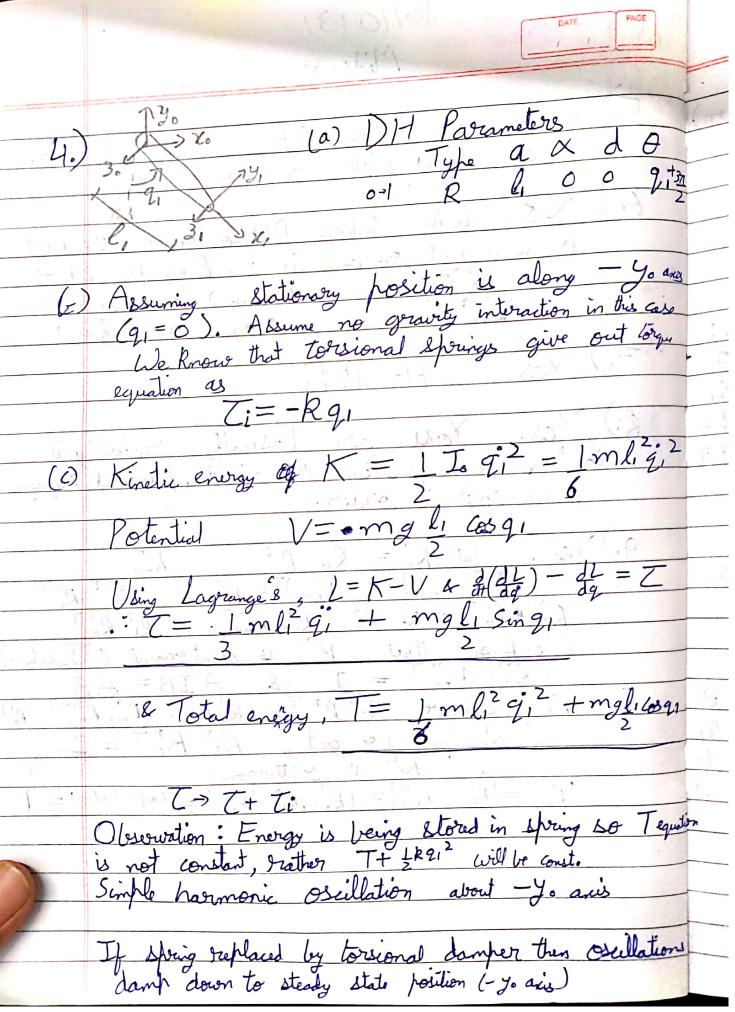
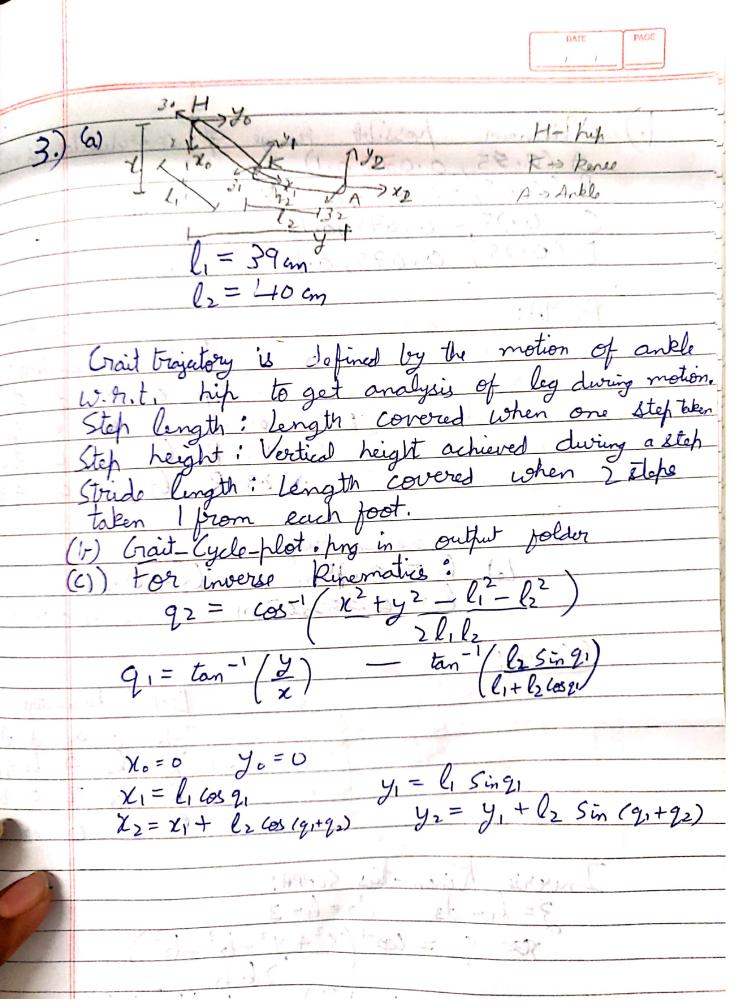
18110 131 Midsem

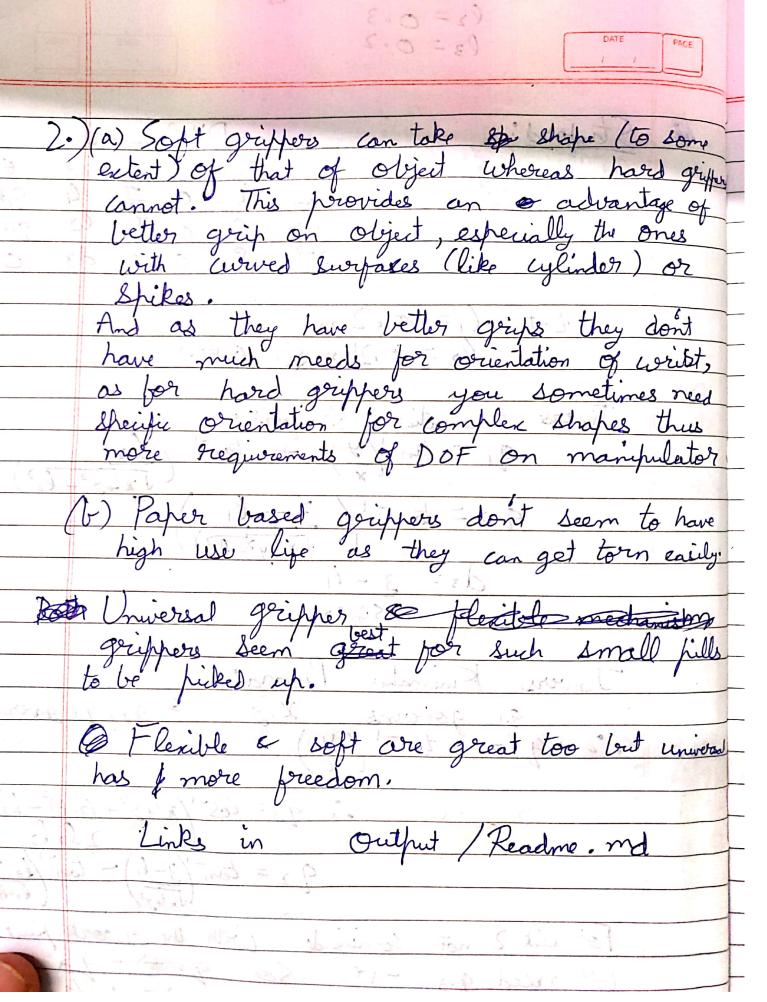


As per DH convention join aces are aligned with respective z-ans Vo. When taking DIT Convention, the last brane is not on any joint. Example 2R>
Frame 2 has doesn't have origin on a joint in turns / steps instead of direct, provided sequence is in correct order 9.) Yes. Let $R_o^n = R_o R_1^2 \dots R_{n-1}^n$ $R_o^n T = (R_o R_1^2 \dots R_{n-1}^n)^T = R_{n-1}^n \dots R_1^2 T R_o^{1T}$ $R_o^n = R_o^n T = R_o R_1^2 \dots R_{n-1}^n R_{n-1}^n \dots R_1^2 T R_o^{1T}$ We know that , R_n^n is orthogonal (: robation)

i. $R_n^n T = T = T = AB$ i. $R_n^n T = T = R_o R_1^n T = R_o R_1^n T = R_o R_1^n T = T$ Continuing we get $R_o^n R_o^n T = T$ Continuing we get $R^n R^n T = I$ $|R^n| = |R^n| = |$

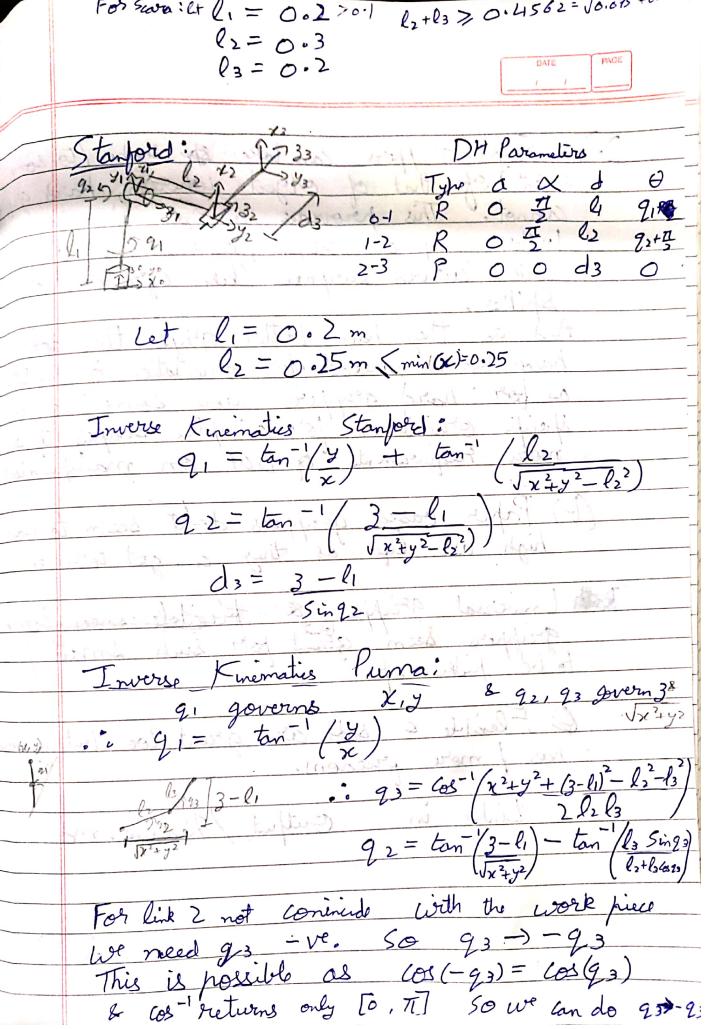






	DATE PAGE	1
(.)	Maximum possible trange of coordinates (in m)	N.
	A (0.\$5, 0.075, 0.1)	-
	B(6.45, -0.075,0.1)	
	C(0.25, -0.075,0.1) D(0.25, 0.075,0.1)	
	() = -40 cm	
	PUMA: NZ	
	1 22 Parameters:	+
6 -	Type a x d d	1 2
الالم	3. 0-1 R O 5/2 l1 91	
	33 ×301-2 R l2 0 0 92	5.9
i de	1 2-3 K, 123 0 0 0 93	211
	ton projumen stronge () Stronge (1 1
	Let l1 = 0.15m 25=0.3m	-4
	B= 0.45 m0.2m = 50 l2+l3>0.45	KY
		W.
- 1	SCARA: B	
	DH Parameters	-
-	592 3 d3 0-1 R l2 0 l191	C 14
Q,	2-591 1-2 R l2 72 0 92	-
+,0	2-3-P = 0 0 do 0	
		The second
	Inverse Kinematics SCARA:	
	$3 = l_1 - d_3$ $d_3 = l_1 - 3$	
	$92 = 605^{-1}(x^2 + y^2 - l_2^2 - l_3^2)$	_
	2 l2 l3	
	91 = tan-1(2) - tan-1(R35m92)	

Scanned with CamScanner



Inverse Knemalies. Compute this at all intervals of I cm