

SFU muraki								- -	7	P	_>
	Phys	sics							L,	•	l2
	•	Cha	in is 11	nder te	nsion	(force)				<b>1</b>	,
	•	Link	火 ex	erts a t	ension	force o	f ← /	at P	1		
		اماد	1 04	orts a t	oncion	force o	f —	> at P	1		
		IIIIK	L <sub>2</sub> ex	erts a t	ension	i iorce o		atr			
	•	Chai	n has	weight	due to	o gravity	/ (force	)			
						y at eac			$P_i$		
									,		
	•	at ea	ach no	ode poi	$nt P_i$	Force	e vecto	rs mus	t balar	nce (sı	ım to ze
	• at each node point, $P_j$ , Force vectors must balance (sum to zero										
				-0.4		nangm	ig chain. d = 1,	H = 0.5 , L = 2.5		J	
				-0.45							
				-0.5					/	/	
				-0.55					1 -	7	
				. <u>e</u> -0.6					/'	/j+1	
				y-axis				P.,	/	Mile mummum	
				-0.7				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	$\Theta_{j+\ell}$		
				-0.75	_	7.	ej , ej				
				-0.8		ر (ع)ر،	_		<b>/</b> /		
				-0.85 <u>-</u>	0.	1	5 0.6	• 0	.7	0.8	
				0.0	0.		x-axis				
							, X anio		1		
											$\rightarrow$
	HOR	²12 :	· Tj.	Z, CoS	⊖; ;+1	- 7: 1	Cos E	) ·		· ()	
	HOK	?12:	Tj.	- - - - - - - - - - - - - - - - - - -	⊖; ;+1	- <u>J</u>		) ·		· 0	)   j=
	HOR	?12 : T:	Tj.		⊖; j+1 ∋;+1			) - //	\( \sigma =	0	
	HOR	?1Z :		_	⊖; j+1		Cos E	) - /,		0	







