1	1 /	
(0)	0 (4	en
$-\omega$	CCS	,

1.14. We use generalized coordinates 0, \$, where.

8 parameterizes the coordinate of COM on the padrus-azing.

6 parameterizes the rotation if the Rod.

= Ma & =

$$T_{\text{rod}} = (2) \left(\frac{1}{2}\right) \left(\frac{1}{2}\right) \left(\frac{1}{2}\right)^2$$

Daydson Cheng 12.25-2023