F	Project No Book No	9
 Page No		
Example: Pendulum		
DE FET DE FORM	$F_{\overline{f}} = m_{\overline{f}} \cos s$ $F_{\overline{g}} = -m_{\overline{g}} \sin s$ $F_{\overline{g}} = -m_{\overline{g}} \sin s$	Ø sni Ø
In rad direction :	Fret = Fgr - Fg = mgcosp	-F
News 2 nd law m polar	coord is a $F_r = m(\hat{r} - r\hat{\beta}^2)$	•
ice TTS constant,	r=0 and r=0, Thus,	
O Fretz = -Mr p 2		
Mot useful since F.	To unknown, so use thew.	2 nd law
Freto = m (z/d)		
A 10	- ris constant and r=0	
Free = $m + \phi$ $-mqsin \phi = mr \dot{\phi}$ $\phi + f sin \phi = 0$		
$\int \hat{\phi} = -\frac{2}{f} \sin \phi$		To Page No
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4	S= FSMP					in the second
Solu	e this numerically	r vsmy EJS,				
		possible for small	angles,			**************************************
·	\$ 25mp for	- small of m	radions.			The second second
B		efue w= \f		Ø		
		$f\cos(\omega t + \theta)$ w		e de la compansión de l		
		∂A	75 the pha	re.		
Prof	· = - A sm	/1. (w++0) w				
	\$ = - A SM (= - WA S.	M (w++6)				1000
	$\phi' = -\omega' A$:05 (w (+0)	; i			A Contract Contract
6	$=$ $-\omega^{2}\phi$					Stable School Broken School
-cu ²	A cos (at+0) = -w	A cos(-1+ +0)				Letter Bridge Land State State
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eT?	1			1	And the second s	10 to
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Ġ	=- WA SM (wt+0)	\$ = A cas (w(+0)				A 1 th Burneloogists
ϕ_{c}	= - WASAO	$Q_0 = A\cos\theta$.				Contractor Inc.
)	tan6 = 500 = -4	$\frac{\int_0^{\infty}/\omega A}{\int_0^{\infty}/dt} = -\frac{\int_0^{\infty}}{\omega} \frac{\phi_0}{\Delta}$				公司とのはとはな
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