ENGR-2060

E.M. - DYNAMICS



NAME DATE

WEEK:	P	ROBLE	M:					
GIVEN:								
In te	ms of a particul	ar referenc	e					
frame, the position of	he center of mass	of the F-1	4					
at the time shown $(t = t)$	$= 0$) is $\mathbf{r} = 10\mathbf{i} + 6$	$\mathbf{j} + 22\mathbf{k}$ (m).			1		
The velocity from $t =$	to $t = 4$ s is $\mathbf{v} =$	(52 + 6t)i	+		4	1/4		
$(12+t^2)\mathbf{j} - (4+2t^2)\mathbf{k}$	(m/s). What is the	e position of	of				-	
the center of mass of th	prane at t = 4 s. t	1 1			B	1	6	
					1			
					100			
REQUIRED:								
								+
SOLUTION:								
								+
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