Physics 102-Rec Quiz#7-Sect.22 Chapter 24

Instructor: Dr. A. Mekki

Name:	Key	Id:	
		roton is moving toward the oth istance they can get to each other	
200 %	r.		300 14/
⊕ 300 m	(3	initial	-
P			
	v	to the n	
	0	= o v= o fina — ol → l	<i>X</i>
	-	— ol →1	
^	$K_{+}\Delta U=0$		
	N+ Lau - 0		
	NK=-	Vn	12
	4-1		
	Kg - Ki = -	_ (Uf - Ui)	
	0 - 2 (1 mg	$\sigma_r = -\left(\frac{r}{r} \frac{d}{d} - \frac{r}{r}\right)$	6
	0-2(2) - (d	J
	1	1	
	mv :	= kg2	
		C .	10 7
	d-	kg2 _ 9x10x	(1.6×10)
	7 012	kg2 = 9x10x mv2 = 1.67x	-27 x (300)2
	d- 1.	5 x 10 m	
	d = 1	,5 pm .	