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专业: 自动化

16.  $f(l_1+l_2)=Nl_1$   $d = \frac{|W-W_0|}{t} = \frac{2\pi n}{t}$   $-\mu NR = J(-\frac{2\pi n}{t})$   $J = \frac{1}{2}mR^{\nu}$   $f_3^2 f = 3.14 \times l^{\nu} = 314N$ 18. (1) M = -CW. = Jd.  $= J. \frac{dw}{dt}$   $W = W_0 e^{-\frac{L}{2}t}$   $W = \frac{L}{2}W_0 = \frac{L}{2}L_1^2$ 

(2) 
$$Wdt = We^{-\frac{r}{3}t}dt$$
 $dW = We^{-\frac{r}{3}t}dt$ 
 $dW = We^{-\frac{r}{3}t}dt$ 
 $\int_{0}^{0} d\theta = We^{-\frac{r}{3}t}dt$ 
 $\int_{0}^{0} d\theta = We^{-\frac{r}{3}t}dt$ 
 $V_{1} = \sqrt{\frac{Gmm_{E}}{Y_{1}^{2}}} = \frac{1}{2}mY_{2}^{2} - \frac{Gmm_{E}}{Y_{2}^{2}}$ 
 $V_{1} = \sqrt{\frac{2Gm_{E}Y_{2}}{Y_{1}}} = 8.1| \times |0^{3}m/s$ 
 $V_{2} = \frac{Y_{1}}{Y_{2}}v_{1} = 6.3| \times |0^{3}m/s$ 
 $V_{3} = \frac{Y_{1}}{Y_{2}}v_{1} = 6.3| \times |0^{3}m/s$ 
 $V_{4} = \frac{Y_{1}}{Y_{2}}v_{1} = 6.3| \times |0^{3}m/s$ 
 $V_{5} = \frac{Y_{1}}{Y_{2}}v_{1} = 6.3| \times |0^{3}m/s$ 
 $V_{7} = \frac{Y_{1}}{Y_{2}}v_{1} = \frac{1}{2}J_{2}W_{3}^{2} = \frac{1}{2}J_{2}W_{3}^{2}$ 
 $V_{7} = \frac{Y_{1}}{Y_{2}}v_{1} = \frac{1}{2}J_{3}W_{3}^{2} = \frac{1}{2}mY_{3}^{2}W_{3}^{2}$ 
 $V_{8} = \frac{1}{2}J_{1}W_{1}^{2} - \frac{1}{2}J_{2}W_{3}^{2} = \frac{1}{2}mY_{3}^{2}W_{3}^{2}$ 
 $V_{8} = \frac{1}{2}J_{1}W_{1}^{2} - \frac{1}{2}J_{2}W_{3}^{2} = \frac{1}{2}mY_{3}^{2}W_{3}^{2}$ 
 $V_{9} = \frac{1}{2}J_{1}W_{1}^{2} - \frac{1}{2}J_{2}W_{3}^{2} = \frac{1}{2}mY_{3}^{2}W_{3}^{2}$ 
 $V_{1} = \frac{1}{2}J_{1}W_{2}^{2} - \frac{1}{2}J_{2}W_{3}^{2} = \frac{1}{2}mY_{3}^{2}W_{3}^{2}$ 
 $V_{1} = \frac{1}{2}J_{1}W_{2}^{2} - \frac{1}{2}J_{2}W_{3}^{2} = \frac{1}{2}mY_{3}^{2}W_{3}^{2}$ 
 $V_{1} = \frac{1}{2}J_{1}W_{2}^{2} - \frac{1}{2}J_{2}W_{3}^{2} = \frac{1}{2}mY_{3}^{2}W_{3}^{2} = \frac{1}{2}mY$ 

33. (1) 
$$M = Jd$$
.

 $J = \frac{1}{3}ml^{\nu}$ 
 $d = \frac{M}{J} = \frac{mg \cdot \frac{1}{2}l \cos \theta}{\frac{1}{2}ml^{\nu}} = \frac{3g\cos \theta e}{2l}$ 
 $d = 18.4 \text{ rad/s}^{\nu}$ 
 $d = \frac{dw}{dt} = \frac{dw}{dt} = \frac{dw}{dt} = \frac{dw}{dt}$ 

$$d = \frac{dw}{dt} = \frac{dw}{d\theta} \frac{d\theta}{d\theta} = \frac{wdw}{d\theta}$$

$$dd\theta = wd\theta dw \int_0^0 \frac{39600}{21} d\theta = \int_0^w wdw$$

$$W = \int_0^{39500} \int_0^{60} = 7.98$$

$$V = \int_0^{39500} \int_0^{60} = 7.98$$

39. 
$$mV_0 = (m+m')V_1$$
  
 $(m+m') l_0 V_1 = (m+m') l_0 V_{sin0}$   
 $\frac{1}{2}(m+m') V_1^2 = \frac{1}{2}(m+m') V_1^2 + \frac{1}{2}k(l-l_0)^2$   
 $V = \sqrt{\left(\frac{m}{m'+m}\right)^2 V_0^2 - \frac{k(l-l_0)^2}{m'+m}}$   
 $V = arc sin \frac{m V_0 l_0}{(m'+m) V l}$   
 $V_0 = i l_0 l_0$   
 $V_0 = l_0 l_0$