(illower)

$$\sum_{i=1}^{n} \frac{1}{n} = \lambda L^{2}(x\lambda) = \frac{1}{n} \sum_{i=1}^{n} \frac{1}{n}$$

$$f = \frac{-\delta w_f}{\delta x} \Big|_{\lambda = cons} = \frac{-r}{r} \lambda^{r} x$$

$$\begin{cases} \lambda = 1 \\ \lambda = -1 \end{cases} \uparrow = \frac{-1}{2} \chi \wedge \chi \circ 1 = \frac{-1}{2} \gamma$$

$$F = \frac{-\delta w_F}{\delta x} \Big|_{i=cons} = \frac{-\gamma}{\gamma} i \frac{\psi}{\chi} x^{-\gamma}$$

$$\begin{cases} i=1 \\ x=0 \land D \end{cases} = \frac{-\gamma}{p} \times 1 \times \frac{1}{0 \land 1 \land D} = \frac{-\gamma}{p} \land 1$$

$$\Delta W_{m} = \int_{X_{1}}^{1/2} \frac{1}{4} = \int_{0}^{0/2} \frac{1}{4} \times \int_{0}^{1/2} \frac{1}{4} = \times \int_{0}^{1/2} \frac{1}{4} = \int_{0$$

$$\Delta W_{m} = \int_{0}^{2\pi} f \cdot J x = \int_{0}^{2\pi} \frac{d^{2} x}{d^{2} x} = x \int_{0}^{2\pi} \frac{d^{2} x}{d^{2} x} = x \int_{0}^{2\pi} \frac{d^{2} x}{d^{2} x} = \frac{d^{2} x}{d^{2} x$$

Rashen-s

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 $i = 1 \longrightarrow \Delta W_m = \frac{\gamma}{\gamma} \times 1 \times (\tau - 1) = \frac{\tau}{\gamma}$

$$\begin{cases} \lambda_{i=1} \\ \lambda_{i,i} \\ \lambda_{i,j} \end{cases} = \lambda_{i} \\ \lambda_$$

$$i=(\lambda x)'=(\frac{y}{i}x)' \longrightarrow i=fx' \longrightarrow i=fx'$$

$$\frac{7}{x} = \frac{7}{x} \times (xy) \times \frac{7}{y} = \frac{7}{x} \times \frac{1}{y} = \frac{7}{x}$$

$$\Delta W_{M} = \int_{X_{1}}^{X_{1}} F \cdot dx = \frac{-t}{t'} \ln x \int_{010}^{0170} = \frac{t}{t'} \left(\ln 0.10 - \ln 0.170 \right) = \frac{t}{t'} \ln T$$

$$\lambda i = \zeta \qquad i = (\lambda x)' \longrightarrow \lambda = i \qquad \chi \qquad \uparrow \qquad \chi'' \qquad \chi$$

$$\Delta W_{m} = \int_{\chi_{i}}^{\chi_{i}} f \cdot J \chi = \frac{-\kappa}{r} \ln \chi \Big|_{\alpha \mid \Delta}^{\alpha \mid Y \mid \Delta} = \frac{\kappa}{r} \ln \chi$$

(جواب سؤال ؟ ، بردلل اس كر سم يسج با سبع ولنا ؟ تربك شره است استاله از روس الربي

$$\mathbb{R}_{1} = \frac{y}{y}$$

$$\mathbb{R}_{1} = \frac{y}{y}$$

$$\mathbb{R}_{2} = \frac{x}{y}$$

$$\mathbb{R}_{3} = \frac{x}{y}$$

$$\mathbb{R}_{4} = \frac{x}{y}$$

$$W_{f1J} = \frac{1}{4} R \varphi^{V} = \frac{1}{4} \left(R_{1} + R_{V} \right) \varphi^{V} = \frac{1}{4} \left(\frac{1}{4} - \frac{1}{4} \right) \varphi^{V} + \frac{1}{4} \frac{1}{4} = \frac{1}{4} \varphi^{V} + \frac{1}{4} \frac{1}{4} \frac{1}{4} \frac{1}{4} \varphi^{V} + \frac{1}{4} \frac{$$

$$f_{x}|_{x=y=\frac{1}{2}} = \frac{-1}{y} \times \frac{1}{y^{-1}} \left(\frac{\frac{1}{2}}{(\frac{1}{2}-1)} + \frac{1}{y^{-1}} + \frac{1$$

$$F_{J} = \frac{\lambda}{(\kappa - \delta) \delta_{0} N} + \frac{\kappa}{(\kappa - \delta) \delta_{0} N} + \frac{\delta}{(\kappa - \delta) \delta_{0} N} = \frac{\delta}{\delta} \left(\frac{\delta}{V} \left(\frac{\lambda}{(\kappa - \delta) \delta_{0} N} + \frac{\lambda}{(\kappa - \delta) \delta_{0} N} \right) + \frac{\delta}{\delta} \right)$$

$$F_{J}\Big|_{X=J=\frac{J}{J}}=-\frac{1}{J}\frac{1}{J}\phi^{2}$$

$$f_{x-ave}|_{x=t=x} = \frac{-vve^{v}}{v_{0}v_{0}v_{0}} + f_{y-ave}|_{x=t=x} = \frac{-vve^{v}}{v_{0}v_{0}v_{0}}$$

Plashen-s
$$|f_{net}| = |f_{x}|' + |f_{y}|' = |f'||f_{x}| = |f'| \frac{v_{e'}}{v_{od'}w'''}$$

(جوارا سؤال ٢)

Lilly
$$R = \frac{X}{u_0 J w}$$
 $R_{1h} = (R || R) + \frac{R}{V} = R$

$$L = \frac{N'}{R_{1h}} = \frac{N'}{R} = \frac{N''u_0 JW}{\chi} \qquad \frac{JL}{J\chi} = \frac{-N''u_0 JW}{\chi'}$$

$$f(t) = \frac{1}{3n} i'(t) = \frac{1}{7} (-77) (75in^{7} 100 \pi t) = -4 \sin^{7} 100 \pi t$$

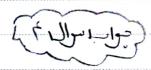
$$= -\ell n \left(\frac{+ \cos \gamma \cdot \circ \pi t}{r} \right) = -\gamma r + \gamma r \cos \gamma \cdot \circ \pi t \longrightarrow f_{\alpha N} - \gamma r N$$

$$\dot{\mathbf{I}}_{Vms}^{\prime} = \frac{1 \wedge x | \wedge x + \frac{1}{V}}{W Y' + V_{,Y} V'} = V_{1} \Delta , \qquad \dot{\mathbf{F}}_{out} = \frac{1}{V} \frac{\partial L}{\partial x} \mathbf{I}_{Vms}^{\prime} = \frac{1}{V} (-Y \mathcal{E}) (V_{1} \Delta) = -V_{0} N$$
Rashow V

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$$A = \frac{1}{\gamma} = \Delta A$$



$$JW_f = V_i^{\prime} Sine Ji$$

انگرال آمیری از را طر مالا داریم
$$= \frac{1}{4} (\sin s)^{\frac{1}{4}} = i - \lambda + \int_{-\infty}^{\infty} (\sin s)^{\frac{1}{4}}$$

$$W_{+} = \lambda^{\frac{1}{r}} \left(\frac{\gamma}{r} \right)^{\frac{1}{r}} \left[\sin \theta \right]^{\frac{1}{r}} = \left(\frac{\gamma \lambda}{r} \right)^{\frac{1}{r}} \left[\sin \theta \right]^{\frac{1}{r}}$$

$$t = \frac{-\delta W_F}{\delta \theta} \bigg|_{\lambda = Cons} = -\left(\frac{\gamma \lambda}{\gamma}\right)^{\frac{1}{\gamma}} \times \frac{-1}{\gamma} Cos\theta \left(sin\theta\right)^{\frac{-\gamma}{\gamma}}$$

(Dilie)

$$V_{\gamma} = \psi_{1}^{\gamma} + \circ \psi_{1}^{\gamma} + \frac{\eta_{1}}{\eta_{1}} + (\circ \circ \circ \circ \circ \circ) \frac{\eta_{1}}{\eta_{1}} + \frac{\eta_{2}}{\eta_{2}} + \frac{\eta_{1}}{\eta_{2}} + \frac{\eta_{2}}{\eta_{2}} + \frac{\eta_{1}}{\eta_{2}} + \frac{\eta_{2}}{\eta_{2}} + \frac{\eta_{1}}{\eta_{2}} + \frac{\eta_{2}}{\eta_{2}} + \frac{\eta_{2}}{\eta_{2}} + \frac{\eta_{1}}{\eta_{2}} + \frac{\eta_{2}}{\eta_{2}} + \frac{\eta_{2}}{\eta_{2}}$$

$$t = i_5 i_7 \frac{3 l_5 r}{37} = l'(l - e^{-h l' l' t})(l - e^{-l' l l'}) \times \frac{3}{30} \left(0109 \cos \theta\right) \frac{\theta_r = 9.0}{0.00}$$

(41-12-)

$$L = \sin^2 \theta \longrightarrow t = \frac{1}{r} \frac{dL}{d\theta} i' = \frac{1}{r} (rsine Cose)i' = \frac{1}{r} sinyei'$$

$$t = \frac{1}{r} (\sin r\theta) (I_m^r \cos^r w_s^t) = \frac{1}{r} I_m^r (1 + \cos^r w_s^t) (\sin^r \theta)$$

$$t = \frac{1}{E} I_{m}^{\prime} sin \gamma \dot{\theta} + \frac{1}{\Lambda} I_{m}^{\prime} sin (\gamma \theta - \gamma W_{s}t) + \frac{1}{\Lambda} I_{m}^{\prime} sin (\gamma \theta + \gamma W_{s}t). \quad (I)$$

$$(3) t = \frac{1}{r} \frac{dL}{d\theta} i' = \frac{1}{r} (rsine c.se) I'_{OC} = \frac{I_{OC}}{r} sinre$$

نقطه تعادل نقطه ای استاکه گشاور وارد برمتمرک صفر شود

$$\frac{kn}{\gamma} = 0$$
 د= $\frac{kn}{\gamma}$ Sin Y0 = 0 = $\frac{kn}{\gamma}$

