



$h_0(x, t)z$   $m_z z_c$   $H$ ,  $H > M$ .  $L / (Q-1)$ ,  $Q = H/M > 1$ .  $L / (Q-1)$   $M(Q-1)$   $L / (Q-1)$   $R$   $0.01$ ,  $Q = 1.25$ ,  $M = 650$  A/.  $h_0 = 0$ ,  $E_0$ . (1)

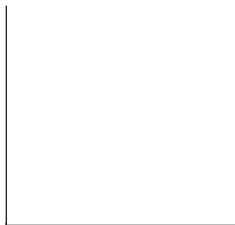
$$\mathcal{N} = \int (1 - \dots) dx, \quad \mathcal{P} = \int (\dots - 1) dx, \\
 \mathcal{E}_0 = \frac{1}{2} \int (|\dots|^2 + \dots^2 (1 + |\dots|^2)) dx,$$

$\mathcal{N}$ ,  $\mathcal{P}$ ,  $V$ ,  $(\mathcal{N}, \mathcal{P})$ ,  $(\dots, V)$ .  $D$   $+ |V|^2/4 < 1$ ,  $V = 0$ ,  $0 < \dots < 1$ ,  $V = 0$ . (2)

$< 0$ .  $1$ ,  $0$   $H$   $63 \mu$   $A$   $(|h_0|, |ih_0| - 1)$   $h_0$   $T$   $(\dots, V)$   $V$

A

$$\frac{dN}{dt} = - (\dots + h_0) \int \dots^2 dx - V \cdot \int \dots^2$$



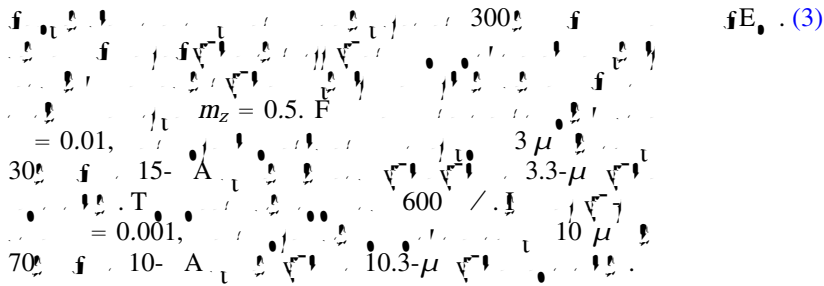


Fig. 3. (3)

...  $|\nabla h_0|/\alpha \ll 1$  ...  
 $|h_0|/\alpha \ll 1$ , ...  
 W ...  
 Fig. 3, ... (3)

acceleration ...  
 $W > 0$  ...  
 $T > 0$  ...  
 $W > 0$  ...  
 (5)  $\dot{P} = \hat{m}_{\text{eff}} V + \hat{m}_{\text{eff}} \dot{V}$ ,  
 (3)  $\dot{P} < 0$ ,  
 $(\dot{V} > 0)$

$$\hat{m}_{\text{eff}} < \dot{P}/V < 0. \quad (6)$$

...  
 $A > 0.3$  ...  
 $-1 < h_0 < 0$ ,  
 $(V, \dot{V}) = (0, 0)$  ...  
 Fig. 3( ) switching separatrix.  $(V, \dot{V}) = (0, -h_0)$ .  $L$

