



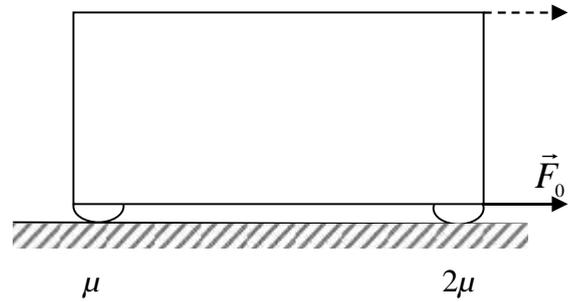
$$\begin{pmatrix} 0 \\ 3 \end{pmatrix} = \begin{pmatrix} 5 \\ 10 \\ 20 \end{pmatrix} \cdot \begin{pmatrix} \cdot \\ \cdot \\ \cdot \end{pmatrix} \quad - 50.$$

1.

: $x = A \cos \check{S}t, y = A \sin \check{S}t, z = A \check{S}t,$ A $t_0?$

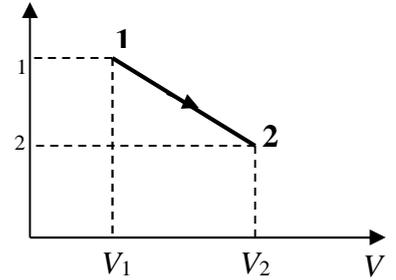
2.

L F_0 h $4\mu h < L$



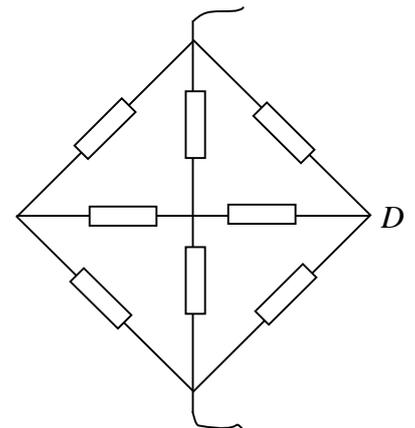
3.

p, V V_1 $V_2 = 2V_1$ p_2/p_1



4.

A B AD BD



5.

$a = 20$

$k = 9$ $= 5$ $|x| \ll 1$ $1/(1+x) \approx 1-x$