

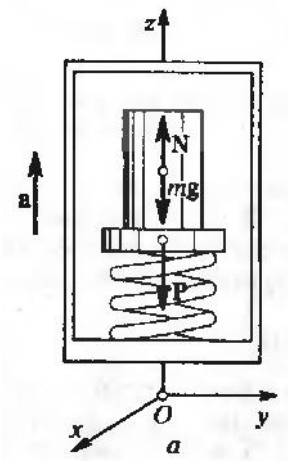
1. ()
2. ,
3. :
4. ()
- 5.
6. ,

1. $2 / ^2$. ; 1) ; 2)

z
N,

$$\vec{P} = -\vec{N} \quad |\vec{P}| = |\vec{N}|$$

$$m\vec{a} = \vec{N} + m\vec{g}$$



- 1) $ma = N - mg$; $N = mg + ma = P$; $P = 10(9,8 + 2) = 118$
- 2) $-ma = N - mg$; $N = mg - ma = P$; $P = 10(9,8 - 2) = 78$

2. $= 45^\circ$. $1 / ^2$, ?
- mg, F
- N (),
- a,

$$m\vec{a} = \vec{N} + m\vec{g} + \vec{F}$$

Y.

$$ma = mg \sin \alpha - F$$

$$Y: 0 = N - mg \cos \alpha$$

$$N = mg \cos \alpha$$

$$F = \mu N$$

$$ma = mg \sin \alpha - \mu mg \cos \alpha$$

$$\mu = (g \sin \alpha - a) / g \cos \alpha ; \mu = 0,86$$

