

1. $v = \frac{s}{t}$
2. $\vec{v}_1 = \vec{v}_2 + \vec{v}_0$
3. $\vec{a} = \frac{\Delta \vec{v}}{t}$
4. $x = x_0 + v_{0x}t + \frac{a_x t^2}{2}$
5. $v_x = v_{0x} + a_x t$
6. $\nu = \frac{1}{T}$
7. $\omega = 2\pi\nu$
8. $v = \omega R$
9. $a = \frac{v^2}{R}$
10. $\rho = \frac{m}{V}$
11. $\vec{a} = \frac{\vec{F}}{m}$
12. $\vec{F}_{12} = -\vec{F}_{21}$
13. $F = G \frac{m_1 m_2}{r^2}$
14. $F = mg$
15. $F_x = -kx$
16. $F = \mu N$
17. $P = \frac{F}{S}$
18. $M = Fl$
19. $x_{\text{ЦМ}} = \frac{x_1 m_1 + x_2 m_2 + \dots}{m_1 + m_2 + \dots}$
20. $P = \rho gh$
21. $F = \rho gV$
22. $\vec{p} = m\vec{v}$
23. $\Delta \vec{p} = \vec{F}_B t$
24. $A = FS \cos \alpha$
25. $P = \frac{A}{t}$
26. $E = \frac{mv^2}{2}$
27. $E = mgh$
28. $E = \frac{kx^2}{2}$
29. $\Delta E = A_{\text{НП}}$
30. $x = A \sin(\omega t + \varphi_0)$
31. $v_x = A\omega \cos(\omega t + \varphi_0)$
32. $a_x = -A\omega^2 \sin(\omega t + \varphi_0)$
33. $v_{xm} = A\omega$
34. $a_{xm} = A\omega^2$

$$35. T = 2\pi \sqrt{\frac{m}{k}}$$

$$36. T = 2\pi \sqrt{\frac{l}{g}}$$

$$37. v = \lambda \nu$$

$$38. n = \frac{N}{V}$$

$$39. E_K = \frac{3}{2} kT$$

$$40. p = nkT$$

$$41. v = \frac{m}{\mu} = \frac{N}{N_A}$$

$$42. pV = \frac{m}{\mu} RT$$

$$43. U = \frac{3}{2} \nu RT$$

$$44. \varphi = \frac{p}{p_{\text{нп}}} = \frac{\rho}{\rho_{\text{нп}}}$$

$$45. Q = cm\Delta t$$

$$46. Q = rm$$

$$47. Q = \lambda m$$

$$48. Q = qm$$

$$49. A = p\Delta V$$

$$50. Q = A + \Delta U$$

$$51. \eta = \frac{Q_{\text{нагр}} - |Q_{\text{хол}}|}{Q_{\text{нагр}}}$$

$$52. \eta = \frac{T_{\text{нагр}} - T_{\text{хол}}}{T_{\text{нагр}}}$$

$$53. F = \frac{k|q_1||q_2|}{\epsilon r^2}$$

$$54. \vec{F} = q\vec{E}$$

$$55. E = k \frac{q}{\epsilon r^2}$$

$$56. W = qEd$$

$$57. U = Ed$$

$$58. U = \varphi_1 - \varphi_2$$

59.