

# About myself

CREATED BY ARTEM  
KALININ, GROUP 21

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# School 15

**для VGV 2009**





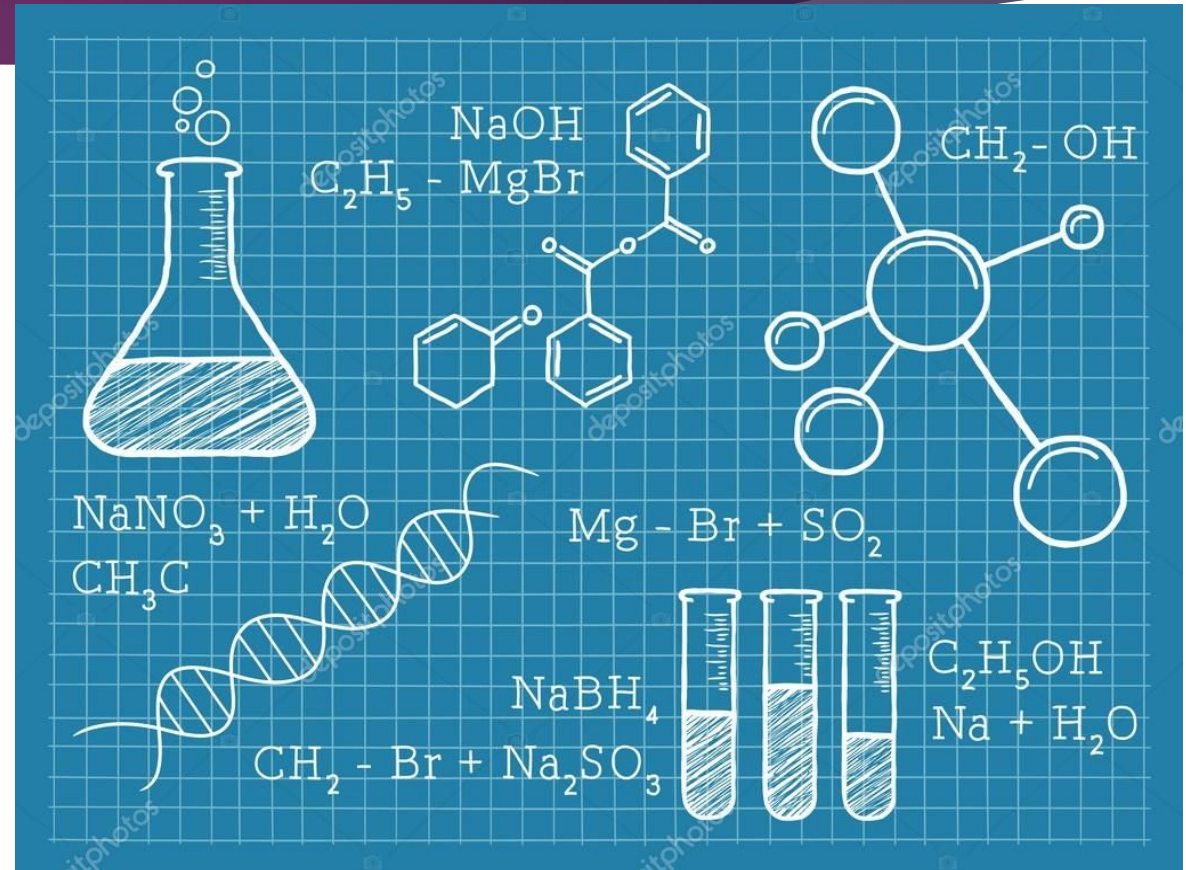
# Univesity





# Lectures, tutorials and practical classes

$$\begin{aligned}
 k &= \frac{1}{4\pi\epsilon_0\epsilon_r} Z = Z_{ob} \cdot \lambda_{ok} = \frac{\Delta \cdot d}{f_1 f_2} \Delta t = \frac{\Delta t'}{\sqrt{1-V^2/c^2}} \frac{1}{f_1} - \frac{1}{f_2} = \frac{d}{f} m = N \cdot m_0 = \frac{Q}{N_A} \frac{M_m}{N_A} \phi_e = \frac{\Delta E}{\Delta t} \omega = 2\pi f \\
 \log \frac{L}{L_0} &= 4 \log \frac{T_{ef}}{K} + 2 \log \frac{R}{R_0} - 4 \log \frac{T_0}{K} \quad \frac{\sin \alpha}{\sin \beta} = \frac{v_1}{v_2} \cdot \frac{n_2}{n_1} \lambda = \frac{h}{\sqrt{2eUm_e}} \quad \frac{M_m}{N_A} \phi_e = \frac{\Delta E}{\Delta t} \omega = 2\pi f \\
 v_L &= \sqrt{\frac{3kT}{m_0}} = \sqrt{\frac{3kTN_A}{M_m}} = \sqrt{\frac{3RmT}{M_m \cdot 10^{-3}}} \quad P = \frac{E}{C} = \frac{hf}{C} = \frac{h}{\lambda} \quad V = V_1(1 + \beta \Delta t) \quad U_{ef} = \frac{U_m}{\sqrt{2}} \quad f_0 = \frac{1}{2\pi\kappa L} \quad I = \frac{U_e}{R + R_i} \\
 I_m^2 &= U_m^2 \left[ \frac{1}{R^2} + \left( \frac{1}{X_c} - \frac{1}{X_L} \right)^2 \right] \quad X_L = \frac{U_m}{I_m} = \omega L = 2\pi f L \quad \vec{F}_m = \vec{B} I \ell = \frac{\mu_0 I_1 I_2}{2\pi d} \ell \quad \sigma = \frac{Q}{S} \quad \psi_z = U_e I t \\
 R &= R_0 \sqrt[3]{A} \quad E = mc^2 \quad E_k = \frac{h^2}{8mL^2} \quad \beta = \frac{\Delta I_c}{\Delta I_b} \quad \rho = \frac{\vec{F}}{\Delta S} = \frac{m \Delta \vec{v}}{\Delta S \Delta t} \quad \vec{B} = \mu_0 \frac{NI}{\ell} \quad R = \rho \frac{\ell}{S} \quad M = \vec{F} d \cos \alpha \\
 M_0 &= \frac{4\pi^2 r^3}{3T^2} \quad v = \frac{nh}{2\pi r m_e} \quad \phi_e = \frac{L}{4\pi r^2} S \quad U = \frac{W_{AB}}{Q} = \frac{|E_{PA} - E_{PB}|}{Q} = |V_A - V_B| \quad l_e = l_0(1 + d \Delta t) \quad F_h = Shp g \\
 F_d &= M_z \frac{v^2}{r} = M_z \frac{4\pi^2 r}{T^2} \quad \nabla \times \left( -\frac{\partial \vec{B}}{\partial t} \right) = -\frac{\partial}{\partial t} (\text{rot } \vec{B}) = -\mu_0 \frac{\partial}{\partial t} \left( \frac{\partial \vec{B}}{\partial t} \right) = \epsilon_0 \mu_0 \frac{\partial^2 \vec{E}}{\partial t^2} \quad f_0 = \frac{1}{2\pi} \sqrt{\frac{g}{L}} \\
 v_k &= \sqrt{\frac{R M_z}{R_a}} \quad F_x = \frac{1}{2} C_x \rho S \dot{\gamma}^2 \quad \oint_C \vec{H} d\vec{\ell} = \iint_S (\vec{J} + \frac{\partial \vec{D}}{\partial t}) \cdot d\vec{S} \quad \lambda = \frac{h m_e}{T} \quad L = 10 \log \frac{I}{I_0} \\
 F_v &= \oint \frac{F_n}{R} \quad E = \frac{E_c}{1 - \frac{1}{\mu_0} \frac{\partial}{\partial t}} \quad \oint_C \vec{B} d\vec{\ell} = \mu_0 \iint_S \vec{J} d\vec{S} \quad \vec{f}' = \frac{\rho_a \cdot \nu_k}{(\nu_1 - 1)(\nu_2 - \nu_1)} \frac{\nu_1}{x} + \frac{\nu_2}{x'} = \frac{\nu_2 - \nu_1}{\nu} \vec{s} = \frac{1}{\mu_0} (\vec{E} \times \vec{B}) \\
 u &= U_m \sin \omega(t - L) = U_m \sin 2\pi \left( \frac{t}{T} - \frac{x}{\lambda} \right) \quad E_k = \frac{1}{2} m v^2 S = \frac{1}{A} \frac{dW}{dt} \left( \frac{E_c}{E_0} \right) = \frac{2 \cos \vartheta_1 \cos \vartheta_2}{\cos(\vartheta_1 - \vartheta_2) \sin(\vartheta_1 + \vartheta_2)} \\
 \oint_C \vec{E} d\vec{\ell} &= -\oint_S \frac{\partial \vec{B}}{\partial t} \cdot d\vec{S} \quad \vec{E} = k \frac{q_1 q_2}{r^2} \quad \vec{f}' = \frac{\rho_a \cdot \nu_k}{(\nu_1 - 1)(\nu_2 - \nu_1)} \frac{\nu_1}{x} + \frac{\nu_2}{x'} = \frac{\nu_2 - \nu_1}{\nu} \vec{s} = \frac{1}{\mu_0} (\vec{E} \times \vec{B}) \\
 E &= \frac{F_c}{\rho_0} = k \frac{q}{r^2} C(s) \quad \oint_C \vec{B} d\vec{\ell} = \mu_0 \iint_S \vec{J} d\vec{S} \quad \vec{f}' = \frac{\rho_a \cdot \nu_k}{(\nu_1 - 1)(\nu_2 - \nu_1)} \frac{\nu_1}{x} + \frac{\nu_2}{x'} = \frac{\nu_2 - \nu_1}{\nu} \vec{s} = \frac{1}{\mu_0} (\vec{E} \times \vec{B}) \\
 E_y &= E_0 \sin(kx - \omega t) \quad \beta = \frac{\nu_1}{\nu_2} (\alpha + \gamma) + \delta \quad \phi = \frac{2\pi \sin \vartheta}{\lambda} y \quad B_t = \sqrt{\epsilon_0 \mu_0} E_0 \sin(kx - \omega t)
 \end{aligned}$$





# Hostel



*Serg63.Tut*

# Free time





# Holidays





# My family traditions





Thank you for  
your attention!