$\delta X = X - X_0$	$X_0 \in \langle X - \Delta X, X + \Delta X \rangle$	$\bar{T} = \frac{T_1 + T_2 + T_3 + \ldots\ldots + T_n}{n}$

$s_T = \sqrt{\frac{(T_1 - \bar{T})^2 + (T_2 - \bar{T})^2 + \cdots + (T_n - \bar{T})^2}{n - 1}}$	$s_{\bar{T}} = \frac{s_T}{\sqrt{n}}$	$\Delta T = 3 \cdot s_{\bar{T}}$

$F = const \cdot A^a \cdot B^b \cdot C^c \cdot \ldots$	$\Delta F = \pm F \cdot \left[\left\lvert a \cdot \frac{\Delta A}{A}\right\rvert + \left\lvert b \cdot \frac{\Delta B}{B}\right\rvert + \left\lvert c \cdot \frac{\Delta C}{C}\right\rvert + \cdots\right]$	$F = A \pm B \Rightarrow \Delta F = \Delta A + \Delta B$

$\lambda_{min} = \frac{h \cdot c}{e \cdot U_a}$	$I = C \cdot Z \cdot i_a \cdot U_a^2$	$h \cdot \nu = E_k + W$	$h \cdot \nu = E_k + h \cdot \nu' + W$

$h \cdot \nu = E_{kp} + m_{0p} \cdot c^2 + E_{ke} + m_{0e} \cdot c^2$	$I = I_0 \cdot e^{-\mu \cdot d}$	$\mu_m = \frac{\mu}{\rho}$	$d_{1/2} = \frac{\ln(2)}{\mu} \approx \frac{0{,}693}{\mu}$

$a = a_0 \cdot \mathrm{e}^{-\mu \cdot d}$	$\ln(a) = \ln(a_0) - \mu \cdot d$	$LET = \frac{\Delta E}{\Delta l}$	$D = \frac{\Delta E}{\Delta m}$	$X = \frac{\Delta Q}{\Delta m}$

$H = Q \cdot D$	$D' = \frac{\Delta D}{\Delta t}$	$H = 1000 \cdot \frac{\mu - \mu_{wody}}{\mu_{wody}}$	$N = N_0 \cdot 2^{-\frac{t}{T_{1/2}}}$

$\frac{\sin(\alpha)}{\sin(\beta)} = \frac{v_\alpha}{v_\beta} = \frac{\lambda_\alpha}{\lambda_\beta} = \frac{n_\beta}{n_\alpha} = n_{\beta/\alpha}$	$n_\alpha = \frac{c}{v_\alpha}$	$\frac{1}{x} + \frac{1}{y} = \frac{1}{f}$	$z_l = \frac{1}{a_m}$	$z_k = \frac{1}{\alpha_m}$

$A = n \cdot \sin(u)$	$a_m = \frac{\lambda}{2 \cdot n \cdot \sin(u)}$	$z_{mik} = \frac{2 \cdot A}{\lambda}$	$p = p_{ob} \cdot p_{ok} \approx \frac{l \cdot d}{f_{ob} \cdot f_{ok}}$

$500 \cdot A < p_{uż} < 1000 \cdot A$	$p = \frac{h'}{h}$	$p = \frac{h}{\lambda}$

$F = F_0 \cdot e^{-\frac{t}{\tau}}$	$\tau = \frac{\eta}{E}$	$\Delta l = v_p \cdot t$	$u = -\frac{1}{\tau}$
$\Delta l = \Delta l_0 \cdot \left(1 - e^{-\frac{t}{\tau_d}}\right)$	$(F + a) \cdot (v + b) = const$	$P_{maks} = \frac{1}{3} \cdot F_{maks} \cdot \frac{1}{3} \cdot v_{maks}$	$p = \frac{F}{S}$
$F = k \cdot \Delta x$	$p = K \cdot \frac{\Delta V}{V}$	$\tau = G \cdot \gamma$	$p = E \cdot \frac{\Delta L}{L}$

$\frac{\mathrm{d}n}{\mathrm{d}t} = -D \cdot S \cdot \frac{\mathrm{d}c}{\mathrm{d}x}$	$D = \frac{k \cdot T}{6 \cdot \pi \cdot r \cdot \eta}$	$\overline{\Delta x^2} = 2 \cdot D \cdot t$	$P = \frac{D}{\mathrm{d}x}$
$\frac{\mathrm{d}n}{\mathrm{d}t} = P \cdot S \cdot (c_1 - c_2)$	$c_2 = \frac{c_0}{2} \cdot (1 - e^{-C \cdot D \cdot t})$	$C = \frac{2 \cdot A}{V \cdot \mathrm{d}x}$	$\ln\left(\frac{c_0}{c_0 - 2 \cdot c_2}\right) = C \cdot D \cdot t$

$\frac{c_0}{2} = c_0 \cdot \mathrm{e}^{-\kappa \cdot t_{1/2}}$	$c = c_0 \cdot \mathrm{e}^{-\kappa \cdot t}$	$\kappa = \frac{\ln(2)}{t_{1/2}} \approx \frac{0{,}693}{t_{1/2}}$	$\pi = f \cdot c_m \cdot R \cdot T$

$E = E_{el} + E_{osc} + E_{rot}$	$h \cdot \nu = E_2 - E_1 = \Delta E_{el} + \Delta E_{osc} + \Delta E_{rot}$	$P = P_0 \cdot e^{-k \cdot d}$	$k = a_\lambda \cdot c$
$P = P_0 \cdot \mathrm{e}^{-a_\lambda \cdot c \cdot d}$	$\tau = \frac{P}{P_0}$	$\tau = \mathrm{e}^{-a_\lambda \cdot c \cdot d}$	$A = -\log(\tau)$

$A = \varepsilon_\lambda \cdot c \cdot d$	$\varepsilon_\lambda = a_\lambda \cdot \log(\mathrm{e})$	$\mathrm{SpO_2} = \frac{oksyHb}{deoksyHb + oksyHb} \cdot 100\%$

$R = \frac{U}{I} = \frac{1}{G}$	$\kappa = \frac{1}{\rho}$	$R = \rho \cdot \frac{\ell}{S} = \frac{1}{G}$	$\varepsilon_r = \frac{C}{C_0}$	$C = \varepsilon_0 \cdot \varepsilon_r \cdot \frac{S}{d}$
$P = \frac{q}{S}$	$\vec{P} = \frac{\sum_i \vec{p}_i}{V}$	$\tau = \frac{4 \cdot \pi \cdot \eta \cdot r^3}{k \cdot T}$	$K = \frac{R_{10^4}}{R_{10^6}}$	$\Phi = \frac{V_{krwinek}}{V_{krwinek+osocza}}$

$\frac{\frac{\kappa}{\kappa_o} - 1}{\frac{\kappa}{\kappa_o} + 2} = \Phi \cdot \frac{\frac{\kappa_k}{\kappa_o} - 1}{\frac{\kappa_k}{\kappa_o} + 2}$	$\Phi = \frac{2 \cdot (\kappa_o - \kappa)}{\kappa + 2 \cdot \kappa_o}$	$\kappa = \frac{C}{R}$	$X_C = \frac{1}{\omega \cdot C}$

$Q = \frac{\Delta V}{\Delta t}$	$S_1 \cdot v_1 = S_2 \cdot v_2 = const$	$p_{S1} + \rho \cdot g \cdot h_1 + \frac{1}{2} \cdot \rho \cdot v_1^2 = p_{S2} + \rho \cdot g \cdot h_2 + \frac{1}{2} \cdot \rho \cdot v_2^2 = const.$
$\mathrm{Q} = \frac{\pi \cdot r^4}{8 \cdot l \cdot \eta} \cdot \Delta p$	$Q = \frac{1}{R_N} \cdot \Delta p$	$N_R = \frac{2 \cdot r \cdot v \cdot \rho}{\eta}$
$v = \sqrt{\frac{K}{\rho}}$	$K = \frac{\Delta p}{\frac{\Delta V}{V}}$	$v_t = F \cdot \sqrt{\frac{E \cdot d}{2 \cdot R \cdot \rho_c}}$
$v_p = \frac{\Delta V}{S \cdot \Delta t}$	$v_t = \frac{l_{AB}}{\Delta t}$	

$Me \rightleftharpoons Me^{z+} + z \cdot e^-$	$\Delta V_e = V_e - V_r = \Delta V_0 + \left(\frac{R \cdot T}{z \cdot F}\right) \cdot \ln(c_j)$	$\Delta V_d = V_2 - V_1 = \left(\frac{u^+ - u^-}{u^+ + u^-}\right) \cdot \left(\frac{R \cdot T}{z \cdot F}\right) \cdot \ln\left(\frac{c_1}{c_2}\right)$
$u = \frac{v}{E}$	$E = \Delta V_{e1} - \Delta V_{e2}$	$E = \left(\frac{R \cdot T}{z \cdot F}\right) \cdot \ln\left(\frac{c_1}{c_2}\right)$
$E = \Delta V_e - \Delta V_{kal}$	$W = q \cdot U$	$I = \frac{1}{R} \cdot U$
$R = \rho \cdot \frac{l}{S}$		

$J = \frac{I}{S}$	$J \cdot \Delta t = \frac{I \cdot \Delta t}{S} = \frac{\Delta Q}{S}$	$I_p = (CH \cdot R) \cdot \frac{1}{\Delta t} + R$

$KZS > AZS$ $AOS > KOS$	$Q = i \cdot t = const$	$i = \frac{a}{t} + b$	$\alpha = \frac{w.p.a.\,(\mathrm{mA})}{r\,(\mathrm{mA})}$

$F = \eta \cdot S \cdot \frac{\Delta v}{\Delta x}$	$\eta_{wł} = \frac{\eta}{\eta_0} - 1$	$[\,\eta\,] = \lim_{c \to 0}\left(\frac{\eta_{wł}}{c}\right)$	$\Delta V = \frac{\pi \cdot r^4 \cdot \Delta t}{8 \cdot l \cdot \eta} \cdot \Delta p$
$R = 6 \cdot \pi \cdot r \cdot v \cdot \eta$	$\eta = \frac{2 \cdot r^2 \cdot g \cdot (\rho - \rho_c)}{9 \cdot v}$	$\frac{\eta}{\eta_0} = \frac{t}{t_0} \cdot \frac{\rho}{\rho_0}$	$\Phi = \frac{V_c}{V_r}$
$\frac{\eta}{\eta_0} = 1 + 2{,}5 \cdot \Phi$	$[\,\eta\,] = 2{,}5 \cdot \frac{N_A}{M} \cdot v_{cz}$	$r = \sqrt[3]{\frac{3 \cdot M}{10 \cdot \pi \cdot N_A} \cdot [\,\eta\,]}$	$\frac{\rho}{\rho_0} = 1 + 0{,}23 \cdot c$

Przedrostek	giga	mega	kilo	hekto	deka	decy	centy	mili	mikro	nano	piko
Symbol	G	M	k	h	da	d	c	m	μ	n	p
Mnożnik	10^9	10^6	10^3	10^2	10^1	10^{-1}	10^{-2}	10^{-3}	10^{-6}	10^{-9}	10^{-12}