

## Acronyms of Physics: ?@sec-workenergy

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$A$ = Action	$E = E_{kin} + E_{pot}$ = total Energy
$t$ = time	$r$ = space (distance between two points, one-dimensional length)
$v$ = velocity	$c$ = light speed
$p$ = momentum	$F$ = Force
$I$ = Inertia	$\mathcal{L}$ = Lagrangian
$\mathcal{H}$ = Hamiltonian	$\mathcal{K}$ = kinetic Energy
$\mathcal{U}$ = effective potential Energy ( $\in E_{pot}$ )	$\mathcal{V}$ = potential Energy ( $\in E_{pot}$ )
$\mathcal{Z} = \frac{1}{2} \frac{L_0^2}{mr^2}$ = Centrifugal Potential	$V = r_1 \cdot r_2 \cdot r_3$ = Volume
$k$ = Wave Vector ("curvature")	$W$ = Work (done vs. received)
$P$ = Pressure	$L_0$ = angular momentum
$T$ = endogen Temperature	$H$ = exogen Heat
$U$ = endogen Energy ( $E_{kin} + E_{pot}$ )	$\Phi = \frac{\mathcal{V}}{q}$ = Electric Potential
$\mathcal{A}$ = Magnetic Potential	$b_0$ = Boltzmann constant
$g_0$ = Gas constant	$m$ = mass
$\epsilon_0$ = electric constant	$\mu_0$ = magnetic constant
$\mathcal{E}$ = Electric Field	$\mathcal{B}$ = Magnetic Field
$n$ = amount of particles (objects)	$H\mathcal{C} = m \cdot c_0 = \frac{\Delta H}{\Delta T}$ = heat capacity
$c_0 = \frac{1}{m} \frac{\Delta H}{\Delta T}$ = specific heat	$S = b_0 \cdot \ln(\Omega)$ = Entropy (macro state)
$l$ = Moll quantity	$\Omega$ = micro states
$z$ = amount of constraints (boundry conditions)	$f = 3n \pm z$ = degrees of freedom
$\kappa = \frac{c_P}{c_V} = \frac{f+2}{f}$ = adiabaty	$\iota = \kappa$ adiabaty
$\iota = 0$ isobar	$\iota = 1$ isotherm
$\iota = \infty$ isochor	...

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## Acronyms of Economy: ?@sec-productivityvalue

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$T$ = Taxes	$M$ = Import of Goods and Services from foreing symstes
$G$ = Government Expenses, incl. Social Insurances	$X$ = Export of Goods and Services to foreign system
$Y$ = Income of Economy from Turnover	$G_A$ = Governental Subsidies
$D_A$ = Depreciations (Reinvestments) on Assets	$V_N$ = Net Naötional Production, Society NNP
$N$ = Monetary Quantity	$Q$ = Monetary Turnover Velocity
$V_I$ = Gross Domestic Product $GDP = \frac{Output}{Input}$ , Tradevolume	$P$ = Price niveau (Inflation adjusted Value)

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$L$ = Wages from Labor Work (Salaries, ...)	$R$ = Returns, Earnings, Gains
$Y_A$ = Income of priv. Business Households (Companies, Services, Real Estate Rentals, Retained Profits)	$Y_H$ = Income from priv. Capital Households (Interests, Coupons, Dividends, ... of priv. Assets, Investmens, Credits, Debits, Bonds, Equity)
$T_A$ = Tax on Capital of Corprate Compaies (Business Assets)	$Y_G$ = Governmental Income from Assets, Services, Social Institutions/Insurances
$Z_G$ = Interests on Governmental Debt	$V_S$ = Gross National Produkt, Society GNP
$I$ = Investments on Assets, incl. Storage Change	$R_M$ = Capital Earnings and Wages from Abroad (from Foreign System)
$R_X$ Capital Earnings and Wages to Abroad (to Foreign System)	$W$ = Expensens, costs from human and machinary work efforts

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