

Erfahrungsbericht eines Physikstudierenden



HOW TO SOLVE A PHYSICS PROBLEM



Pencil



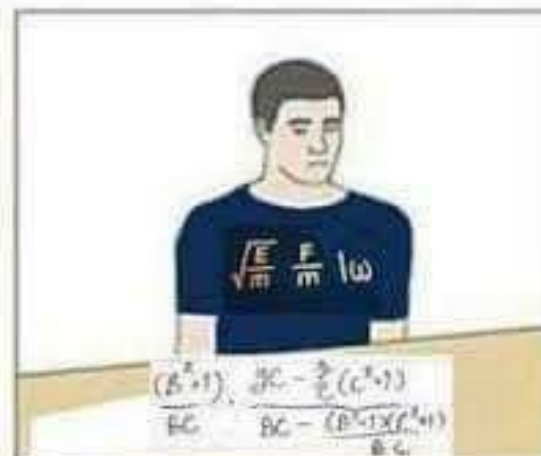
Eraser



Paper

$$\Sigma F = ma$$

First, Write down Newton's 2nd Law. Then...



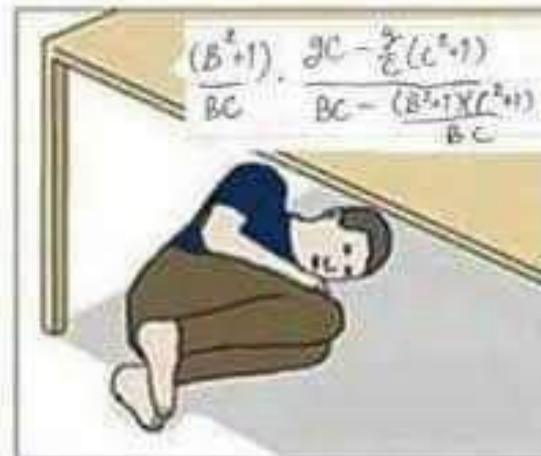
Solve equations. Get some algebraic garbage.



This garbage is like your life.



It's a mess beyond solving.



And nobody loves you.



$$\int_0^{2\pi} e^{inu} du = \int_0^{2\pi} \cos(nu) + i\sin(nu) du$$

$$= \int_0^{2\pi} \cos(nu) du + i \int_0^{2\pi} \sin(nu) du = 2\pi \cdot 1 + 0$$


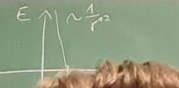
$$\nabla \times f = \begin{pmatrix} \partial_y f_z - \partial_z f_y \\ \partial_z f_x - \partial_x f_z \\ \partial_x f_y - \partial_y f_x \end{pmatrix}$$

$$\begin{pmatrix} \partial_x E_y - \partial_y E_x \\ \partial_y B_z - \partial_z B_y \\ \partial_z B_x - \partial_x B_z \end{pmatrix}$$

$$\begin{pmatrix} \frac{1}{\epsilon_0} \rho_{ext} \\ -\nabla \cdot \mathbf{P} \\ \mathbf{j}_{ext} + \nabla \times \mathbf{M} \end{pmatrix}$$

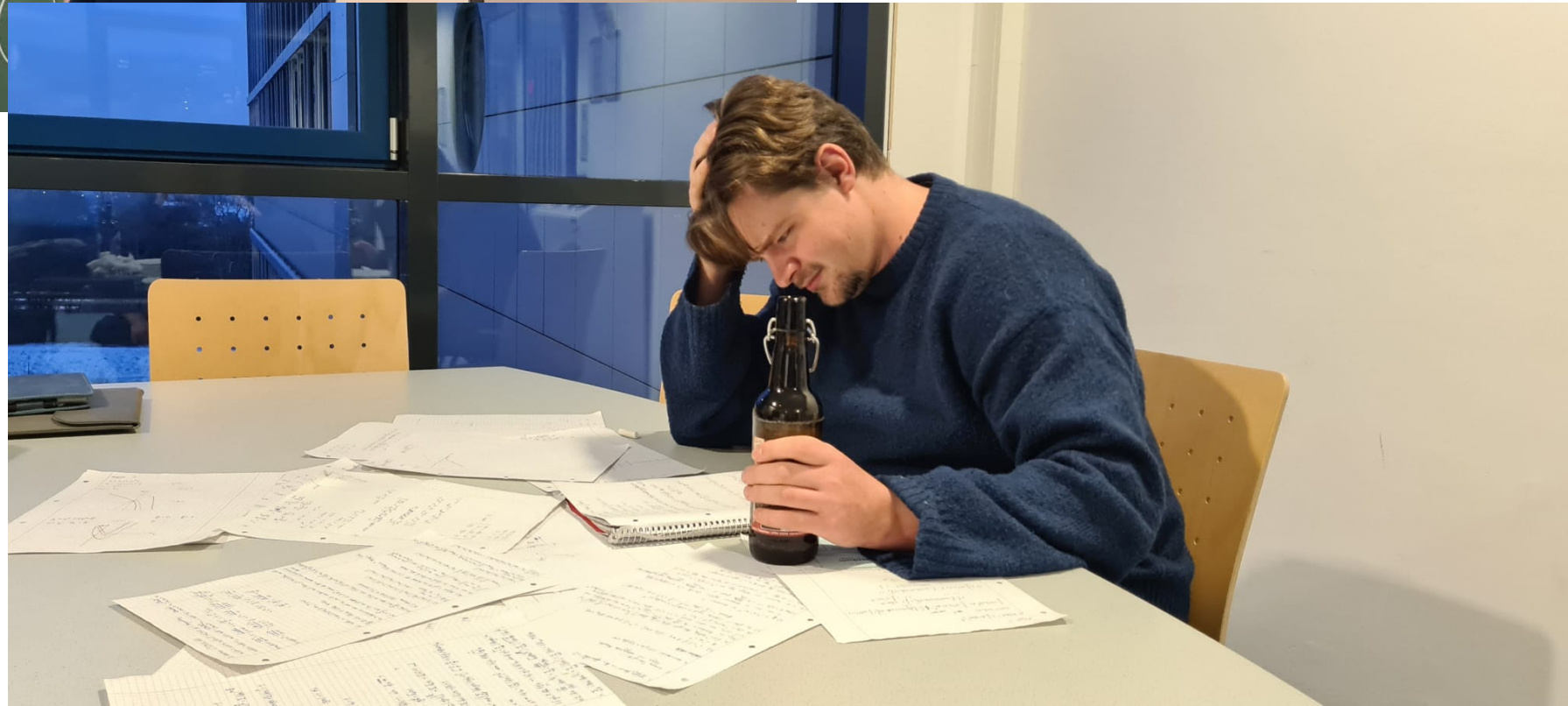
$$\mathbf{F}_{MD} = \nabla \cdot \mathbf{T} + \mathbf{K}_{MD}$$

$$\mathbf{0} = \mathbf{0}$$

WC

NOTRUF-TASTE ohne Funktion !!!



No one:
Physics problems:



Physicists trying electronics for the first time finding out that there are no 6.18457216 ohm resistors

