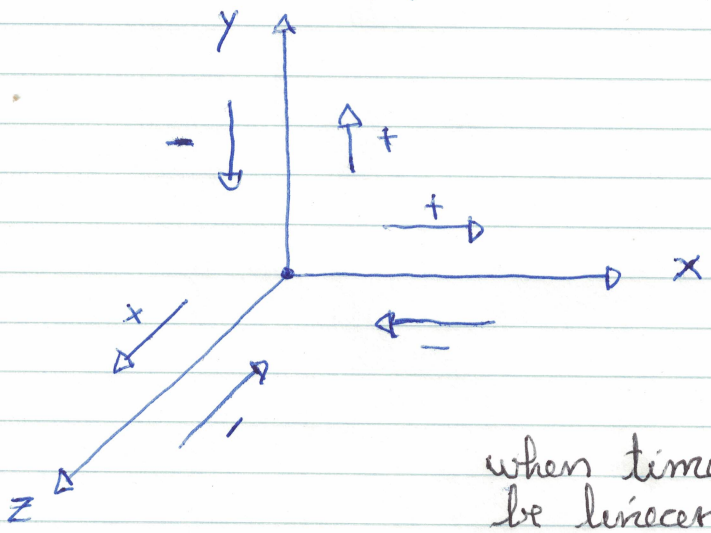
$\vec{V} = \pm V_x \vec{e_x} + \pm V_y \vec{e_y}$ [vector]



when time ceases to be linear, all of physics will break.

particles.

— // —

waves $A \sin(\omega t + \alpha)$; $B \cos(\omega t + \alpha)$

A - amplitude

$\omega = 2\pi f = \frac{2\pi}{T}$

$\omega t = \boxed{2\pi} \times \frac{t}{T}$

Fourier transform

— // —

why Laplace?

Because people by nature are lazy and like everything easy, better to work with polynomials then exponentials or sines and cosines, or dodge the ballet of derivatives and integrals all together in the Alice wonder land.

basics

$x + 0 = x$

$x + 3 - 3 = x$

$(x + 3) - 3 = x$