Info

This note, that was found here, as a part of a collection
is written (completely with human hands) by Rupadarshi Ray,
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$$\partial_t^2 + \sum_{i=1}^{n} v_i^2 \partial_{x_i}^2 + m^2$$

$$u(x,t) = e^{i(k \cdot x - \omega t)}$$

if

$$-\frac{\omega^2}{v^2} + k^2 + m^2 = 0$$

so

$$\omega(k) := \pm v\sqrt{k^2 + m^2}$$

Current note has 0 direct children and 0 total descendants.

- stem
  - subobjects of and functions on $\mathbb{R}^n, S^n, \mathbb{C}^n$ and its quotients $\Gamma\backslash^{\mathbb{R}^n}, \Gamma\backslash^{\mathbb{C}^n}$
    - equations
      - $\partial_t^2 + \sum_{i=1}^{n} v_i^2 \partial_{x_i}^2 + m^2$

And it has 5 siblings.

- stem
  - subobjects of and functions on $\mathbb{R}^n, S^n, \mathbb{C}^n$ and its quotients $\Gamma\backslash^{\mathbb{R}^n}, \Gamma\backslash^{\mathbb{C}^n}$
    - equations
      - Equations for functions on $\mathbb{R}^2$
      - Quasi-linear PDEs on $\mathbb{R}^2$
      - $\partial_t^2 + \sum_{i=1}^{n} v_i^2 \partial_{x_i}^2 + m^2$
      - First order PDEs in $\mathbb{R}^n$
      - $\partial_t^2 + \sum_{i=1}^{n} v_i^2 \partial_{x_i}^2$