

Le Mystère de 137

Johann Pascher

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Chapitre 1

Le Mystère de 137

1.1 Introduction

Le nombre 137 fascine les physiciens depuis des décennies. C'est l'inverse approximatif de la constante de structure fine α .

1.2 La constante de structure fine

$$\alpha = \frac{e^2}{4\pi\epsilon_0\hbar c} \approx \frac{1}{137,036} \quad (1.1)$$

title

α mesure la force du couplage électromagnétique. Sa valeur proche de $1/137$ a intrigué des physiciens comme Pauli, Feynman et Dirac.

1.3 Perspective T0

Dans la théorie T0, la valeur de α émerge naturellement de la géométrie du champ ξ :

$$\alpha = \xi^{n_\alpha} \cdot f(\text{géométrie}) \quad (1.2)$$

1.4 Citations célèbres

Richard Feynman a dit : « C'est l'un des plus grands damnés mystères de la physique : un nombre magique qui nous arrive sans aucune compréhension par l'homme. »

Wolfgang Pauli était obsédé par ce nombre. Il est mort dans la chambre d'hôpital numéro 137.

1.5 Résolution T0

title

La théorie T0 démystifie le nombre 137 en le dérivant du paramètre fondamental ξ . Ce n'est pas un nombre mystique, mais une conséquence de la géométrie de l'espace-temps.

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