

# Énergie Cinétique

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# Chapter 1

## Énergie Cinétique

### 1.1 Introduction

L'énergie cinétique est l'énergie associée au mouvement. La théorie T0 offre une perspective unifiée.

### 1.2 Formule classique

$$E_k = \frac{1}{2}mv^2 \quad (1.1)$$

### 1.3 Formule relativiste

$$E = \gamma mc^2 = \frac{mc^2}{\sqrt{1 - v^2/c^2}} \quad (1.2)$$

title

Dans la théorie T0, l'énergie cinétique inclut des corrections  $\xi$  :

$$E_k^{T0} = \frac{1}{2}mv^2 \cdot f(\xi) \quad (1.3)$$

### 1.4 Dualité temps-masse

Le mouvement affecte la relation temps-masse :

$$t(v) \cdot m(v) = \text{constante} \quad (1.4)$$

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