

# Origine du Paramètre $\xi$

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# Chapitre 1

## Origine du Paramètre $\xi$

### 1.1 Introduction

Le paramètre  $\xi = \frac{4}{3} \times 10^{-4}$  est au cœur de la théorie T0. Ce document explore son origine.

### 1.2 Définition

$$\xi = \frac{4}{3} \times 10^{-4} \approx 1,333 \times 10^{-4} \quad (1.1)$$

**title**

$\xi$  n'est pas un paramètre ajustable - il émerge de la géométrie fondamentale de l'espace-temps.

### 1.3 Origine géométrique

Le paramètre  $\xi$  provient de la structure fractale de l'espace-temps :

$$\xi = f(\text{dimension fractale}) \quad (1.2)$$

### 1.4 Relation avec les constantes fondamentales

$\xi$  relie toutes les constantes :

1.  $\alpha = g(\xi)$  (structure fine)
2.  $G = h(\xi)$  (gravitation)
3.  $\hbar = k(\xi)$  (quantum)

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