

Zeit in der T0-Theorie

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Kapitel 1

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Zusammenfassung

Die T0-Theorie bietet ein radikal neues Verständnis von Zeit. Zeit ist keine unabhängige Dimension, sondern durch die Dualitätsbeziehung $T \cdot m = 1$ fundamental mit Masse verknüpft. Dieses Dokument untersucht die Konsequenzen dieser Sichtweise.

1.1 Das T0-Zeitkonzept

1.1.1 Zeit als intrinsisches Feld

In der T0-Theorie ist Zeit kein Parameter, sondern ein dynamisches Feld:

$$T(x, t) = \frac{1}{E(x, t)} \quad (1.1)$$

Das intrinsische Zeitfeld variiert im Raum und korreliert mit der lokalen Energiedichte.

1.1.2 Zeitdilatation

Die relativistische Zeitdilatation erhält eine neue Interpretation:

$$T' = \gamma \cdot T = \frac{T}{\sqrt{1 - v^2/c^2}} \quad (1.2)$$

In T0 ist dies keine Deformation, sondern eine Änderung des intrinsischen Zeitfeldes durch Bewegung.

1.2 Zeit und Gravitation

1.2.1 Gravitationszeitdilatation

Im Gravitationsfeld gilt:

$$T(r) = T_\infty \cdot \sqrt{1 - \frac{2GM}{rc^2}} \quad (1.3)$$

Die T0-Theorie erklärt dies als Wechselwirkung zwischen Masse und Zeitfeld.

1.2.2 Schwarze Löcher

Am Schwarzschild-Radius:

$$r_s = \frac{2GM}{c^2} \quad (1.4)$$

divergiert das Zeitfeld nicht, sondern erreicht einen minimalen Wert, der durch ξ bestimmt ist.

Keine Singularitäten in T0

Die T0-Theorie eliminiert Singularitäten: Wo die Standardtheorie $T \rightarrow \infty$ vorher sagt, bleibt das T0-Zeitfeld durch die Dualität $T \cdot m = 1$ begrenzt.

1.3 Kosmologische Zeit

1.3.1 Das Alter des Universums

Die kosmologische Zeitentwicklung wird durch:

$$T_{\text{Universum}} = \int_0^t \frac{dt'}{a(t')} \quad (1.5)$$

beschrieben, wobei $a(t)$ der Skalenfaktor ist.

1.3.2 Zeitpfeil

Der thermodynamische Zeitpfeil folgt in T0 aus der Richtung der Zeifeld-Evolution:

$$\frac{\partial T}{\partial t} > 0 \quad (\text{kosmisch}) \quad (1.6)$$

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