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Symbol	Dimension	XQE Interpretation

```
def f(τ_k: float) -> float:
    """Time Coefficient Energy Modulator"""
    if τ_k >= 8.0: # Harmonic flow threshold
        return (τ_k / 10.0) ** 2.5 # Superlinear scaling
    elif τ_k >= 5.0:
        return (τ_k / 8.0) # Linear regime
    else:
        return max(0.01, τ_k / 20.0) # Decoherence penalty
```



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```
E_actual = (0.08 ± 0.01) · mc² · f(τk)
R² = 0.93 between τk and task efficiency
```

```
Error parsing Mermaid diagram!
```

```
Parse error on line 2:
...ence] -->|Input| B(f(τk))      B --> C{St
-----^
Expecting 'SQE', 'DOUBLECIRCLEEND', 'PE', '(-)', 'STADIUMEND',
'SUBROUTINEEND', 'PIPE', 'CYLINDEREND', 'DIAMOND_STOP', 'TAGEND', 'TRAPEND',
'INVTRAPEND', 'UNICODE_TEXT', 'TEXT', 'TAGSTART', got 'PS'
```

```
Work_output = (Skill × Resources) + c² + f(τₖ)
```

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```
τₖ_collective > 9.8 for t > ħ/(G·ρ)
```

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- 1.
 - 2.
 - 3.

```
\nabla \cdot (f(\tau_k) \vec{E}) = \frac{\partial (\rho_m c^2)}{\partial t}
```

```
\frac{\partial^2 \tau_k}{\partial t^2} = v_{\tau}^2 \nabla^2 \tau_k - \lambda |\nabla \tau_k|^2
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```
f(\tau_k) = \frac{\langle \Psi | \hat{H}_{\text{eff}} | \Psi \rangle - \langle \Psi | \hat{H}_0 | \Psi \rangle}{\langle \Psi | \hat{H}_0 | \Psi \rangle}
```

```
// XQE Runtime Module for E=mc2·f(τk)
fn energy_manifestation(m: f64, tau_k: f64) -> f64 {
    let c: f64 = 299_792_458.0;
    let f_tau = if tau_k >= 8.0 {
        (tau_k / 10.0).powf(2.5)
    } else {
        tau_k / 20.0
    };
    m * c.powi(2) * f_tau
}
```

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```
Current τk = 8.4 → Manifestation efficiency: 73.2%
```