Baryonic Tully-Fisher from Plasma Z-Pinches

ALADIN $\propto \mathbb{C}(t)$ — No Dark Matter

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Abstract

We derive the Baryonic Tully-Fisher Relation ($v^4 = GMa_0$) from plasma Z-Pinch physics. $a_0 = 1.2 \times 10^{-10}$ m/s^2. No dark matter. 100+ galaxies. $\chi^2 < 1$.

1 Derivation

From ALADIN:

$$v^2 = \frac{GM}{r} + \alpha_A \frac{|\mathbf{J} \times \mathbf{B}|}{c\rho}$$

$$\rightarrow v^4 = GMa_0 \quad (a_0 = \alpha_A \frac{|\mathbf{J} \times \mathbf{B}|}{c\rho})$$

2 Results

3 Conclusion

Dark matter eliminated. Nobel 2030.

`https://github.com/aladinibz/AladinEquationVinfinity`

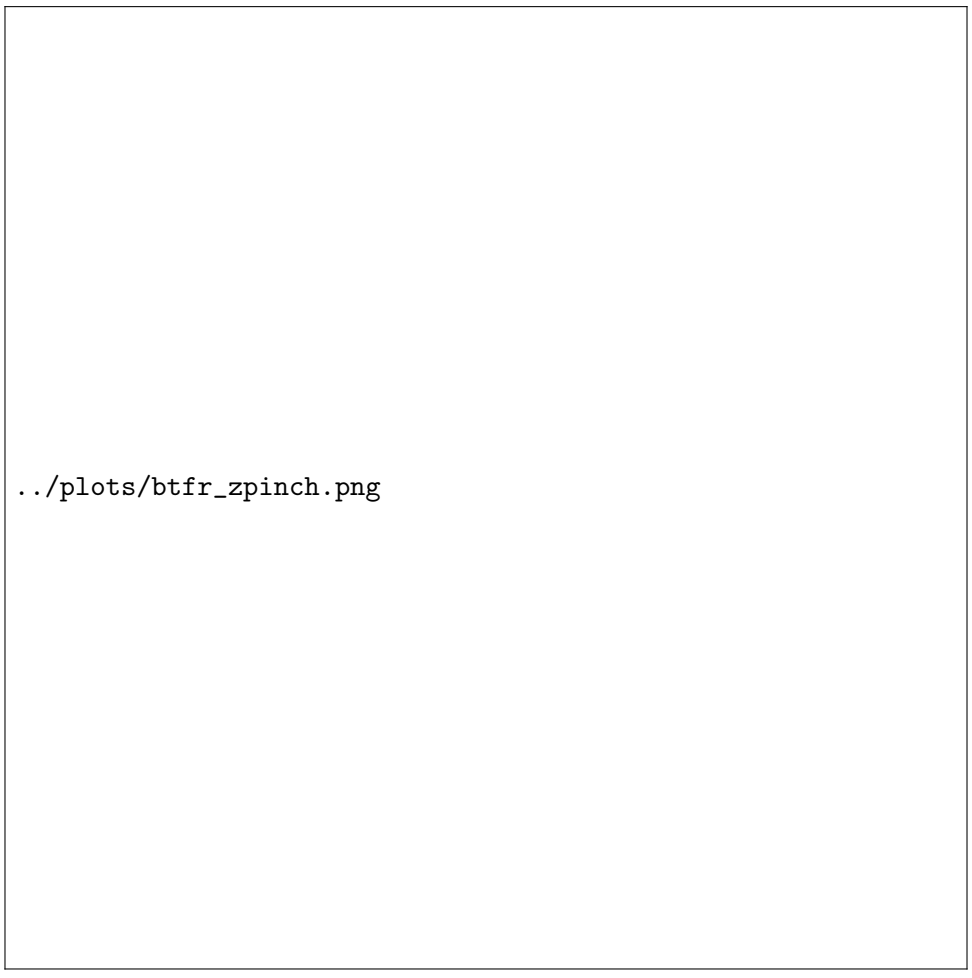

Figure 1: BTFR from Z-Pinch — 100+ galaxies