

Coordinates: (t, r, θ, ϕ) with axial symmetry about the z-axis; functions have compact support in r .

Alcubierre

Profile: $f(r, t) = \text{interpolated}_{alcubierre}(r)$ (NPZ data for alcubierre with 500 points)

$$ds^2 = -dt^2 + (1 - f(r, t)) dr^2 + r^2 d\theta^2 + r^2 \sin^2 \theta d\phi^2$$

Natário

Profile: $f(r, t) = \text{interpolated}_{natario}(r)$ (NPZ data for natario with 500 points)

$$ds^2 = -dt^2 + (1 - f(r, t)) dr^2 + r^2 d\theta^2 + r^2 \sin^2 \theta d\phi^2$$