

Circular motion in NUT spacetime

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September, 13, 2016

NUT spacetime. General description

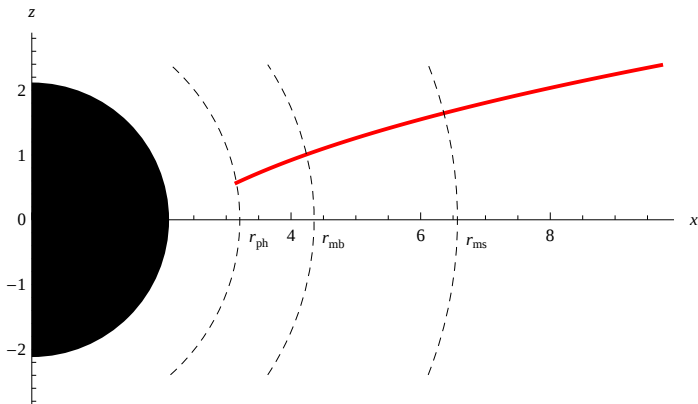
The metric of NUT spacetime(s) is given by:

$$g = \frac{\Delta}{\Sigma} (dt - 2n(\cos \theta + C)d\phi)^2 - \frac{\Sigma}{\Delta} dr^2 - \Sigma(d\theta^2 + \sin^2 \theta d\phi^2), \quad (1)$$

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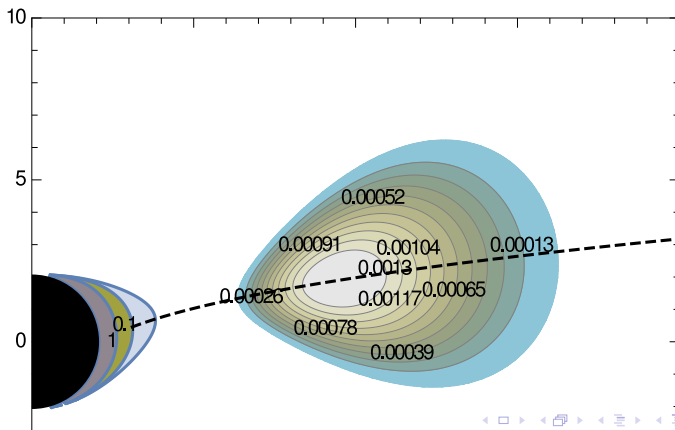
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n/M	a/M	$m/(10^{-2}M)$	$\rho_{\text{cen}}/(10^{-4}M^{-2})$	$T_{\text{cen}}/(10^9 K)$
0	0	5.71	2.05	7.46
0.2	0	5.28	1.99	7.01
0.4	0	7.74	1.81	7.60
0	0.2	7.91	2.52	8.74