

Finkelstein diagram

Mittwoch, 30. Juni 2021 05:56

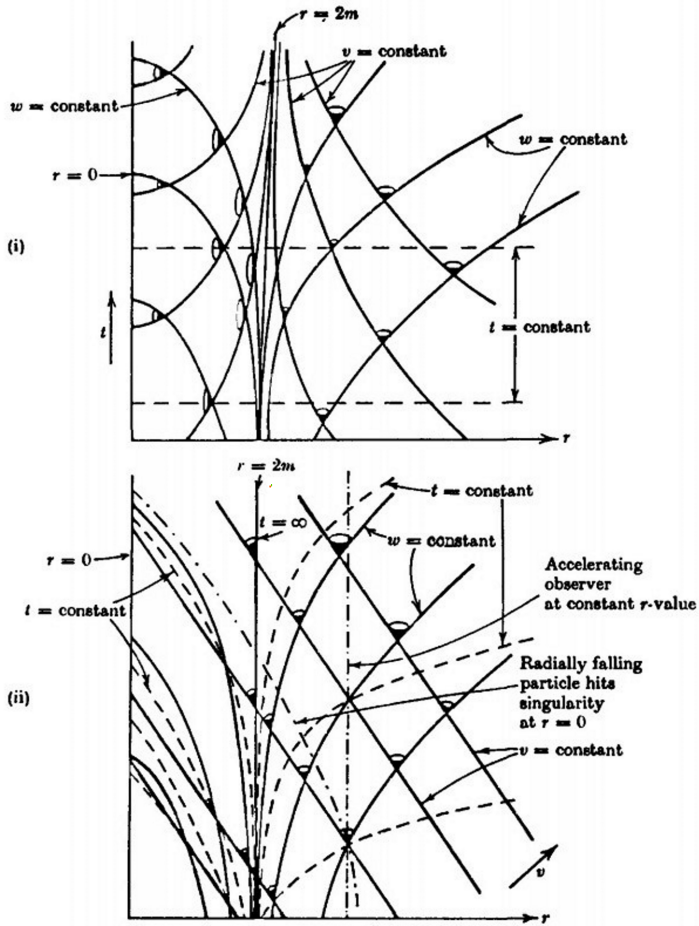


FIGURE 23. Section (θ, ϕ) constant of the Schwarzschild solution.
 (i) Apparent singularity at $r = 2m$ when coordinates (t, r) are used.
 (ii) Finkelstein diagram obtained by using coordinates (v, r) (lines at 45° are lines of constant v). Surface $r = 2m$ is a null surface on which $t = \infty$.