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SUMMARY

$$m = m(r, R(t)) \quad - (1)$$

$$\frac{dm}{dR} = \frac{dm}{dt} \frac{dt}{dR} \neq 0 \quad - (2)$$

$$\frac{dm}{dt} = \frac{dm}{dR} \frac{dR}{dt} = 0 \quad - (3)$$

$$\frac{dR}{dt} = 0 \quad - (4)$$

$$\frac{dr}{dt} = \frac{dr}{d\tau} \frac{d\tau}{dt} \neq 0 \quad - (5)$$

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