I want to see the future in a billion years, I have a rocketship with unlimited acceleration and unlimited fuel, what trajectory in space should I follow?

I suppose you don't havent untime also got immortality lunlimited (ifetime) and unlimited patience, so you prohably what your trip in your trame of no tenence to take no more than say twenty years.

Earth's gens your world live (red)

Oouth
Outh
Outh

Schwarzschild space time

Minkowski spacetime

Proportime

-dt = ds = -cdt 2+ (doc) 2+(dze) 2+(dze) 2

Time youexperience

Time youexperience

Time you experience => $T = \int \sqrt{c^2 dt^2 - (c \cdot c^2)^2}$ Path, Γ

1-(2×10

Earth worldline

$$z_{E} = (ct, 0, 0, 0)$$

Your worldline

 $z_{G} = (ct, 0, 0, 0)$

Your worldline

 $z_{G} = (ct, ut, 0, 0)$

Profur time clapsed in Earth's reference forme

 $z_{G} = cT = 1$ billion years $z_{G} = cT$

Profur time clapsed in your refurence frame

 $z_{G} = \int_{z_{G}} \sqrt{c^{2}dt^{2}} - (uEdt)^{2} + \int_{z_{G}} \sqrt{c^{2}dt^{2}} - (uEdt)^{2}$
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$$\frac{u}{c} = (1 - (2 \times 10^{-9})^{\frac{1}{2}})^{\frac{1}{2}}$$

$$= 1 - \frac{1}{2} \times 4 \times 10^{-16}$$

$$= 0.99...98 \text{ times the speed of light}$$
*15 mines

=> To see the East in I billion years from now, if you are prepared to take 20 years being accelerated & undergestione forces of acceleration in a welstopip to get their, simply accelerate to

0.99.0098 times the speed of light for loyee

instantaneously, keep travelling in some direction for loyear, then after 10 years, reverse your engines Laccelerate to the same speed going in the opposite back to Earth instantaneous Keep going for another 10 years & you will see Earth in I billion years?

