Pickerism Mathematics:

Goal: $t_{p,rel}(t)$ Relative time experienced by a person born at time t as a Picker who is not a Harold.

Death Rate: $r_D(t) = \frac{\text{deaths}}{\text{sec}}$ applies to entire universe.

① Estimate for $r_D(t)$ t = "Right now"

$r_{D,earth}(2024\,AD) \approx 2 \frac{\text{deaths}}{\text{sec}}$ (Mod India)

Drake's equation estimate:

r_D — 15,600,000 civilizations in Milky Way (Wikipedia)

r_D — 200,000,000,000 galaxies in Universe (Space.com)

$$\boxed{r_D = 6.24 \times 10^{18} \frac{\text{deaths}}{\text{sec}}}$$

② Estimate for Picker "time factor": γ_p

(Hugging Chat) Particles in universe: 10^{80}

Events on average per particle per second: 10^{10}

Picker events per second: $n_p = 10^{90}$ Time per event: $t_e = 0.01$ sec

$$\boxed{\gamma_p = n_p t_e = 10^{88} \text{ relative seconds per second}}$$

③ Equation for $t_{p,uni}(t)$ in relation to $r_D(t)$ (ignoring Harold's Number)

$$\boxed{t_{p,uni}(t) = \frac{1}{r_D(t)}}$$

Is this correct for minimum times?

④ Equation for $t_{p,rel}(t)$ in relation to $t_{p,uni}(t)$

$$\boxed{t_{p,rel}(t) = \gamma_p t_{p,uni}(t) = \frac{\gamma_p}{r_D(t)}}$$

⑤ Example

$$t_{p,rel}(2024\,AD) = \gamma_p \frac{1}{r_D(t)} = 10^{88}(6.24 \times 10^{-18}) = 6.24 \times 10^{70} \text{ seconds}$$
$$= 1.978 \times 10^{63} \text{ years}$$

$$\boxed{1978000000000