

What Is The Difference In Our Ages?

David Meyer

dmm@1-4-5.net

Last update: June 17, 2021

Suppose your age is x_t and my age is y_t at some time t . Then in n years your age is $x_t + n$ and my age is $y_t + n$. What this implies is that as time goes by (measured by n), the difference in our ages vanishes!

Why? Consider

$$\lim_{n \rightarrow \infty} \left[\frac{x_t + n}{y_t + n} \right] = 1$$

This result is reassuring since it pretty much models our experience.