

dmann eg

H<sup>2</sup>= Ho<sup>2</sup> \ \( \Omega \) \( \tau \) \( \tau \) \( \alpha \ D) da=aodx or da=adx da=dx x a x dx x Ho J2n° + 2p x-2 + 2°m x-3 + 2°p x-4 To integrate, at t>0,  $z=\infty$   $\Rightarrow x=0$ , at exert z=0,  $\Rightarrow x=1$ Thus,  $t=\int dx$   $\int H_0 x \int \Omega_h^o + \Omega_K^o x^{-2} + \Omega_M^o x^{-3} + \Omega_K^o x^{-4}$ On calculating this integral we get t= 13.8 billion yrs

(code submitted)