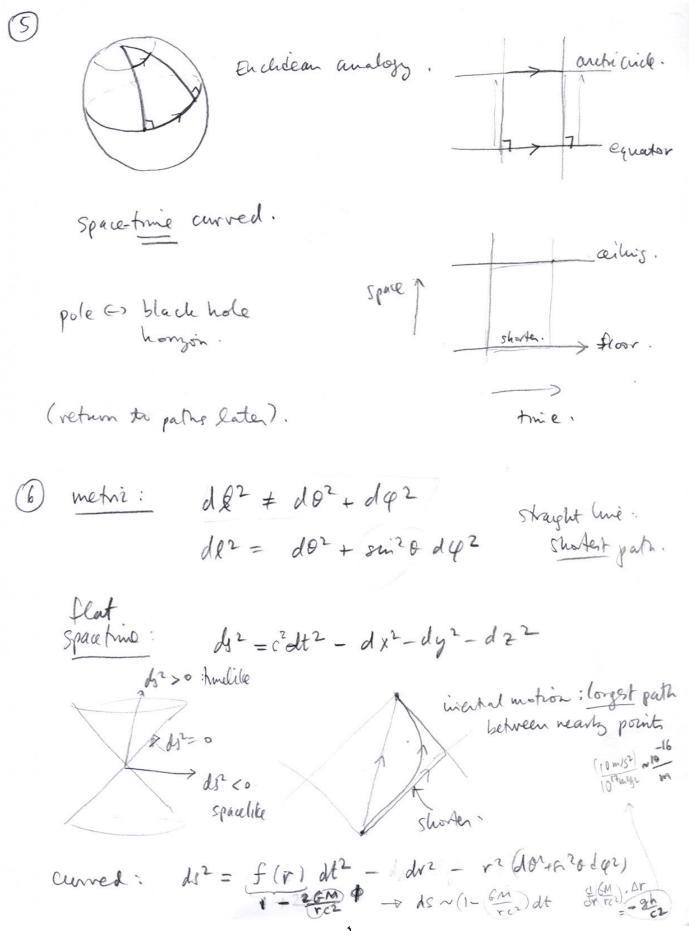
1/30/07

luto to GR Ehisten's motivations. 1) Newtonian instantaneous - conflicts w/ SR 2) Mach's principle : inertia determined by matter timed out over stated, but spirit correct: inertia dynamical, influenced by matter 3) Granty pseudo fore - equivalence principle. + 8 years of struggle & serious mathematical help -> GR. D Fgrav = Municipal a acuterated frame àprame. body Fgrav = mgrav, g = -m ₹¢ V2 = 4T G goon about aframe + ab-f obsi all masses equiv. Fext = màbely = masrane + mabf. a = Fgrav = Mgrav p g Murerhed Minerheil g -> Fext - matrame = malf. So can remove grav by going to an ysendo-force, a m, eliminate by using "accelerated wertal frame. So grav is pseudo-force, Fgrav = -maframe.



 $\nabla^2 d = 4\pi G g_m$ 1) field equation ? Gap = STIG Tap energy-momentum (correct density) tensor (g, dg, ddg) - Eustein tensor Rap= STG (Tap-12Tgap) = 4776 (2Tap-Tgap) displacement current pelet Iluid: Tap E (P P), Tog-3p local frame [Se] = [P] adapted b fluid 2p - (g - 3p) = g + 3phuil-the component :