using the Expressions in @ inside @ we have (2) $\gamma_{p}(t) = \int (h^{I}(r)) \cos mfe r - h^{Q}(r) \sin mfe r$ $(\chi^{I}(t-r)) \cos mfe (t-r) - \chi^{Q}(t-r) \sin mfe (t-r)$ $\sin mfe (t-r))$ = \int h^I(z) x^I(t-z) cosenfer cos enfect-z) dz T I ha (2) x (t-2) sin anter sin ante (t-2) dr - I h 2(2) x (t-2) los zortez sin en fe (t-2) de - The (2) x (t-2) sin infer los infe (t-Vdz. = = (/ht(r) x t (t-r)dr) (os mfet +1 [hi(1) x (4-2) Cos mfe (27-t) dr] + 1 [[ha (2) x (4-2) d2] [- Cos 2nfet] + 1 Sho(2) 20(4-2) Cos 2n fc (22-4) d2 - + [h (1) x (t-v) fin enfet] the She (2) x (4-2) sin mfc (22-4) dr - 4 [ho (2) x2 (t-z) dr] [sin mfet] - 1 [h (2) x 2 (t-2) sin mfe (22-4) dz]