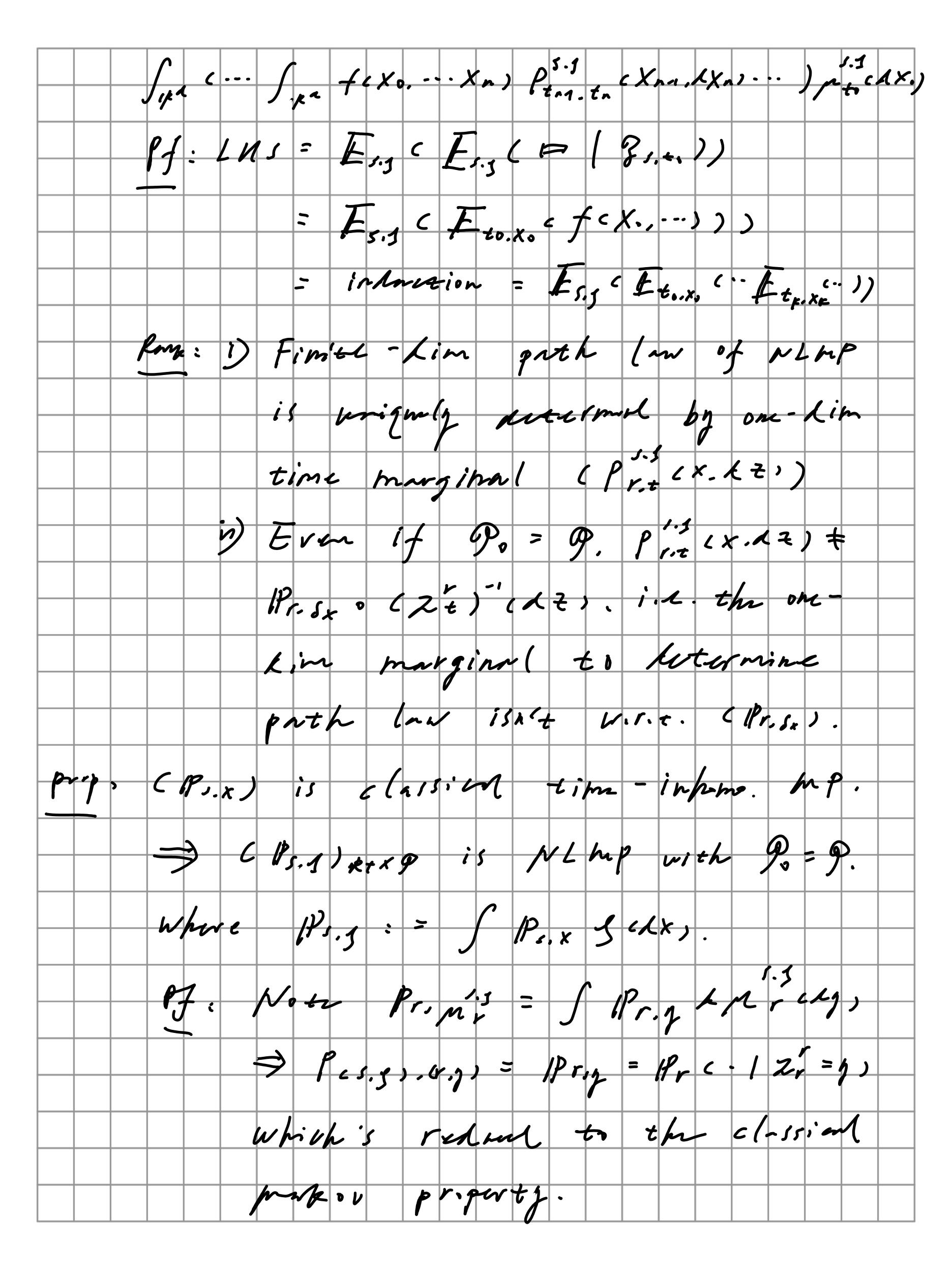
Monlina MS We have stablish DDSDE = NLFRE before put yet: DDSDE >> Marker Process >> WEFFE for Well-poser DDSDE. Loun't Swisty pm. Zes solnaion sotisfirs flow property Cby crosph to MLFPE). but it's only for single lan. While Markor property is prop. for frankly of parth 1) Définition: ri-Cison, K, with Zin. It i with with Def: 90 Cg. Morlina pop is family (P.S) 1x+x St. Ps. s is p.m. on Brs i) m 1:3 := Ps, o(Z+) E P. Hosset, sep. is) Monliner Marker proporty ): ACByr 1195,5 ( Z+GA 1 95, + ) CW) = P(5,5), L1, Zr (m)) (Z = A). 1195.1-1.5. HOSSETET, SEP.

Whire Person crossiums & ZttA) 224A121-25(w) can be thought as the class .f allowed initial An The motivation of N assept. Sution (nt) of MAFPE Note that Print # Print Print Us ja time-inhom. Rocher the Risintergration Junily can be replace by 4 P(1.1). (r.y.) in Also in Maker property, We quelise it by rearking 65.50 on index. of RUS Porthur al alessian Cete. 2t's ansistent with - at 1 is sil. of N4FPE, AND fix CAZI. Start frim mother (r. R, cm) of mit-left. But 1.5.5 still be influencial.

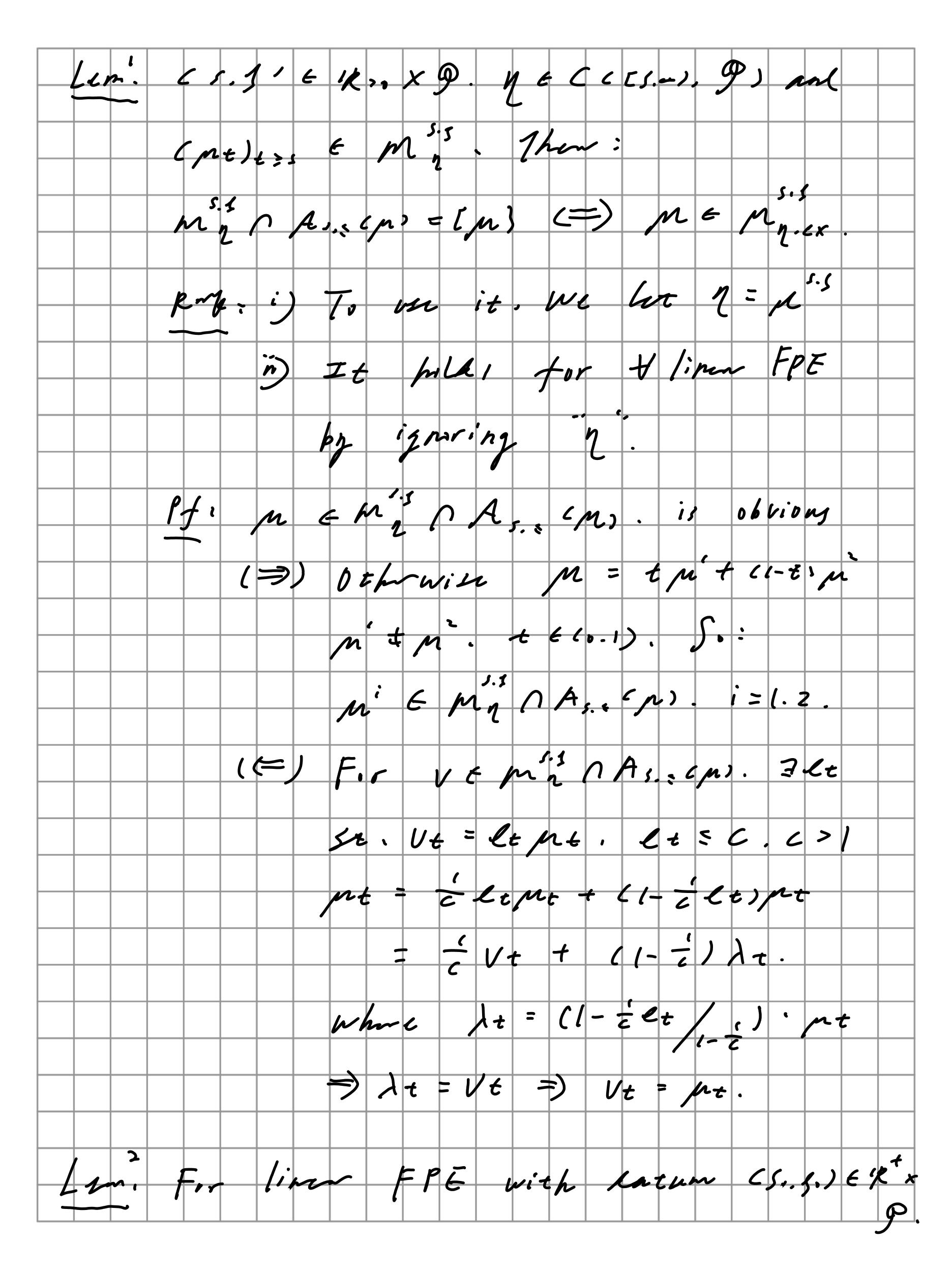
C Ps, c 2 t E A (2, , ) = Eps c 1Pr. 1.1 c 22 EA 1 Z'r ) cw) 7 = pr + cA) Rmg: Den 5.5) Rossn't Snaisty time - inhomo c-kynntion nt = / nt April) j) Pr. n. s. o (21) = mr. = m. s. 1 => We proved KMK ii) Nove! Prop. 4 Ps. 1) 12+x90 is MLMp. Fir sego. Seret Set P1. + 6x, 62):= Pc1.51.cr.x1 0 (24) (42) enr-n.s. Then: # Ps.s ( 220, -- 250) =

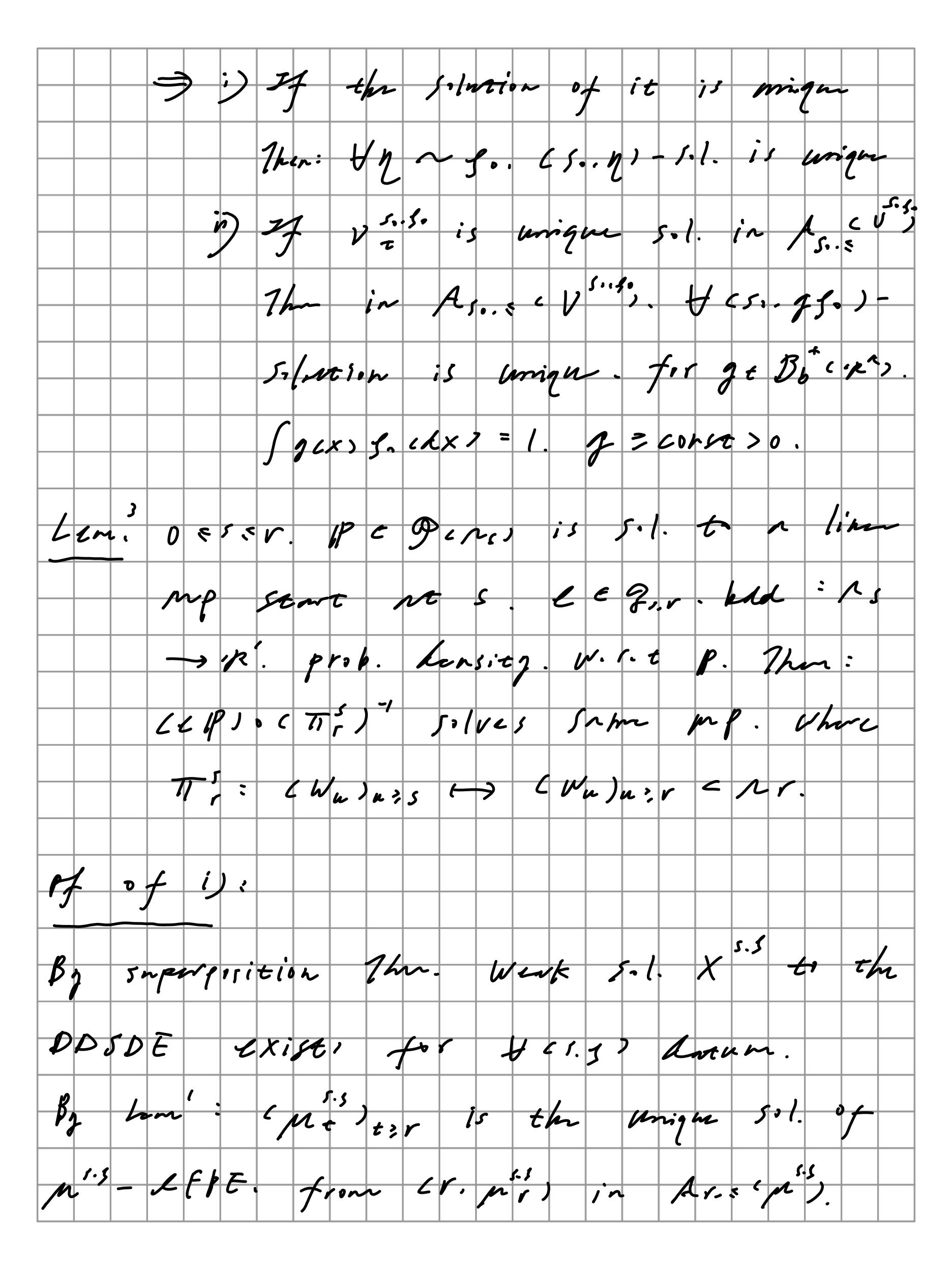


E > (pri) solves arespl E. Am the over cpritcx, Lt) ter pre workly proving to p 445.1 Eik+ x Do. ms. LFPE workly havi. g.m Solvain for Haran Sept. Sis trans. Furnel of a linen time-inhono Markor pricess EPris And it's runted to N4MP by: Pr. Mr. = S. 1 (x) (x) (x) (x) (x) i) So from prop. above, the finite-Lim maginal of Pr.s are uniquely lettermind by the solis of lines MP. n) Reversely. prom & ClPrix Inx 3 s.s finily of Mps me let ex holds. We get (Ps,5). Even let 90 = 90. M+ = - 10,3 (22)

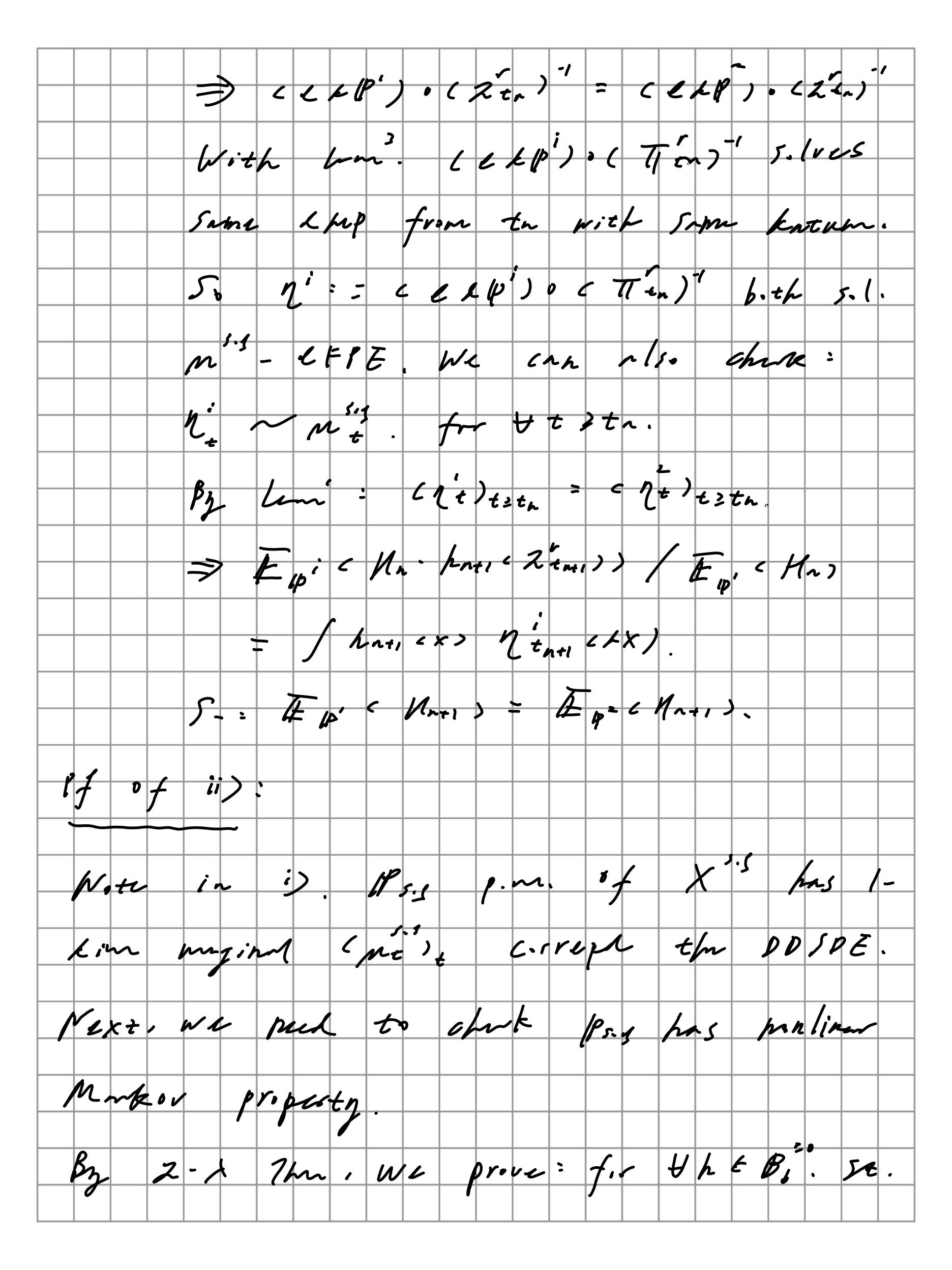
DOSVE (S.3) be solution for a NLFPE Fix J pr 5.5 be cause the regiment 5-1. CPr.v. Ha satisfies com. CD. muln't be s.1. of a MLFPE classimi mys (2) (AMt/wition Vusalarity for Namytskii's Denote: 9 m 5.5 := 5 workly posti. p.m. 501 NIFPE from C1.1) E gt x G. St. a. Ele Co, TJx, pe, dpt/t) is mi: = E replace NLFPE by n-LFPE in) prosis = Ent pris 1 pris extreme pt. je, if made (1-9) n. for some  $\epsilon$  (1).  $\mu$  is  $\mu$  =  $\mu$ ).

MLFPE POSDE vent sins pas sinsten. rather the solution is que me pas extra proporty in) 24 KAFPE is woll-post. The : 1 Marex 1 = 1. Am 501. Mas flow prop. do soutist jand. Rosve. Pf: St As < cm. c) = (cos. o). Ps 4 = Cmt, Ut; ) A1. = UA1. = C21 RM: C71 is hussary sinn 1+ 69.



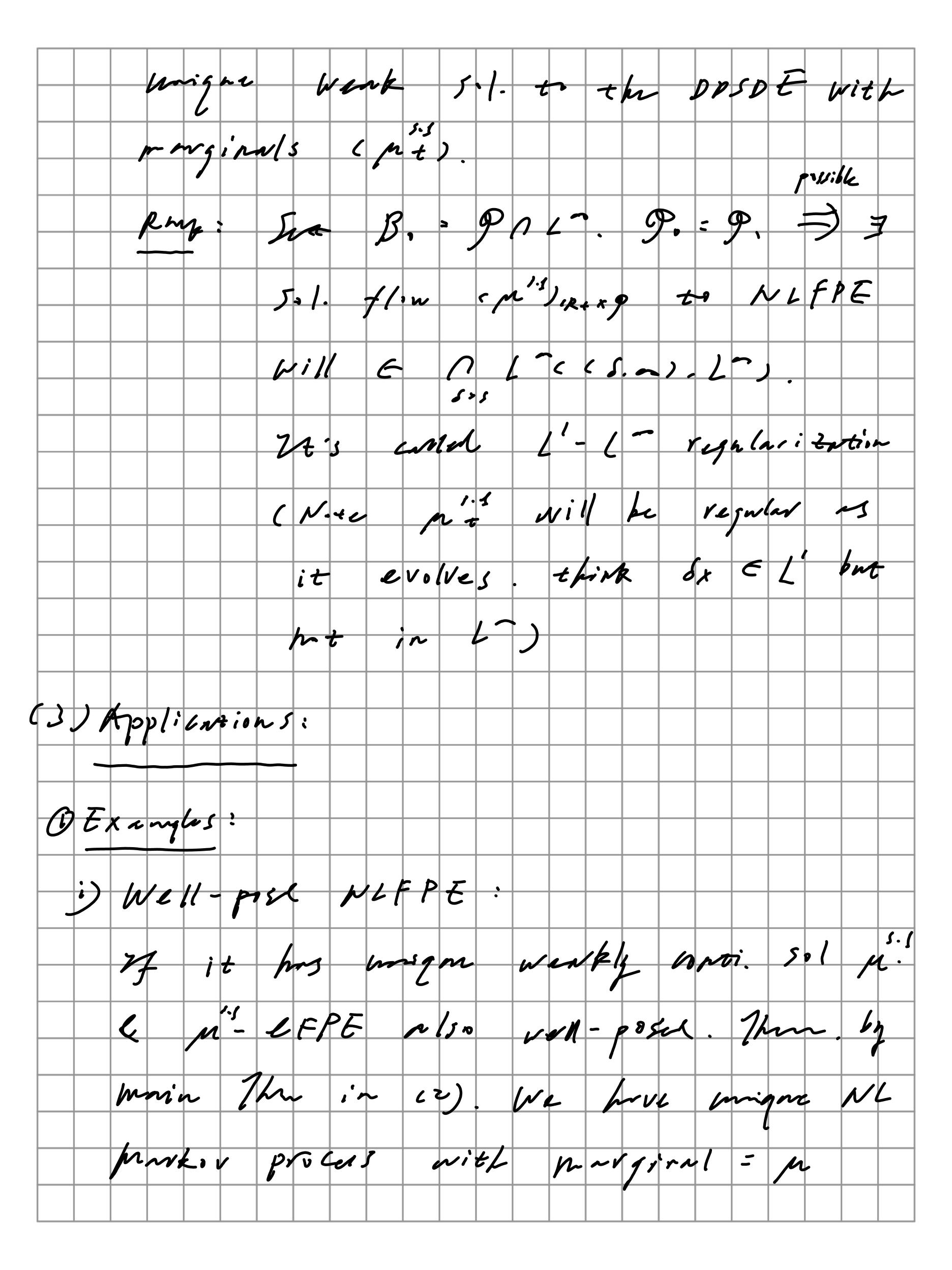


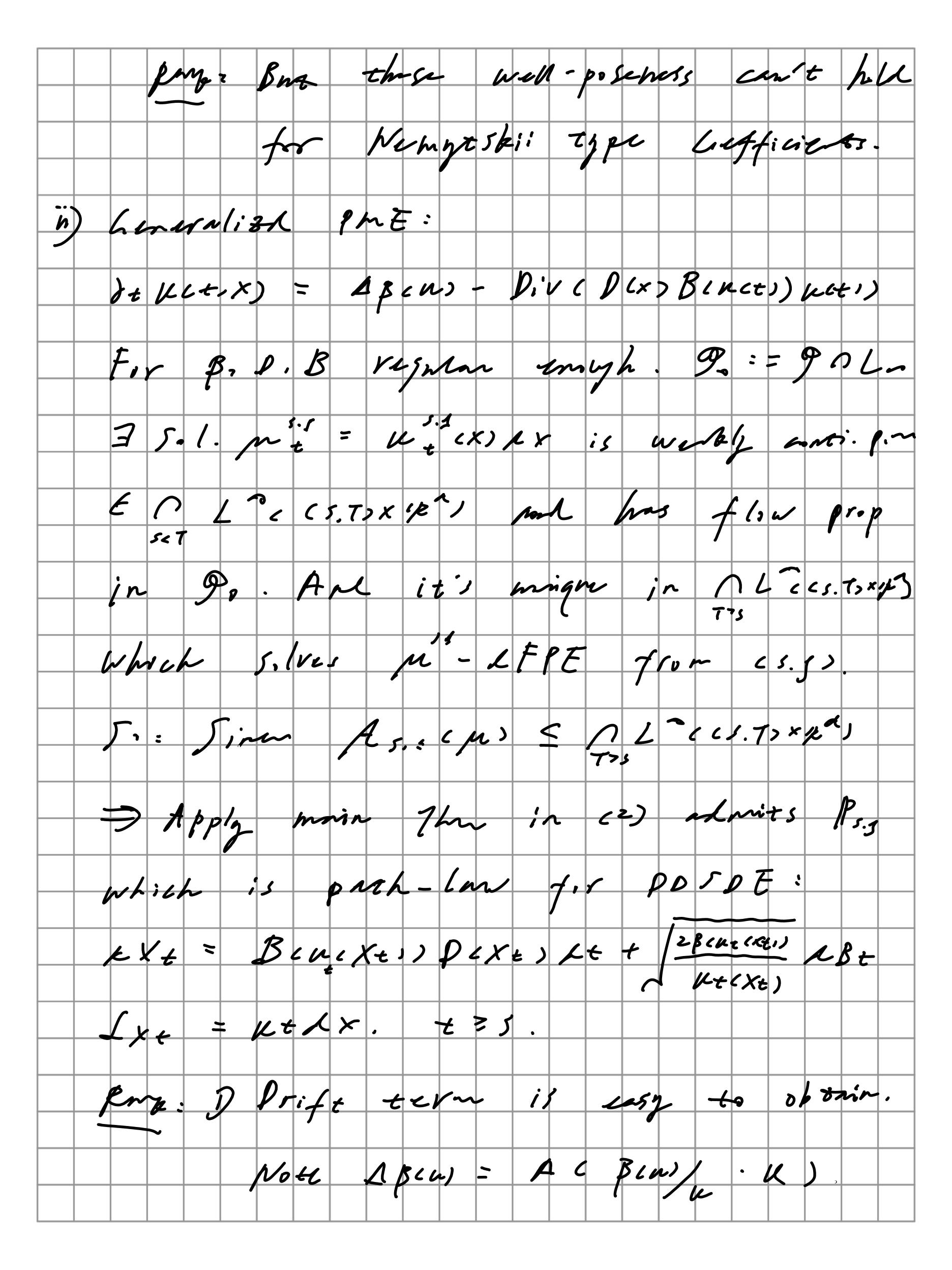
15.17 E 12 X 90 with 1-dim morgials 2 5, pr, 3. fir Sol. pro 2 1:1. CONTINICO By Z-X 7m = Chok E, (11) = E; (16) for 4 1/n = Tipic Rti). hit BL. hi 3 ci>0 Set 2 = Mr/ IE p ( Mr). 2 E ( E, C) fr Sime C>1. And Epicun =1 intaction Appothesis AM Justan CERP'D = Jackp. 446 from indust hypothesis ci. l. Mn = 11hi(2zi) - (hn < 2tn) f(2m) ]

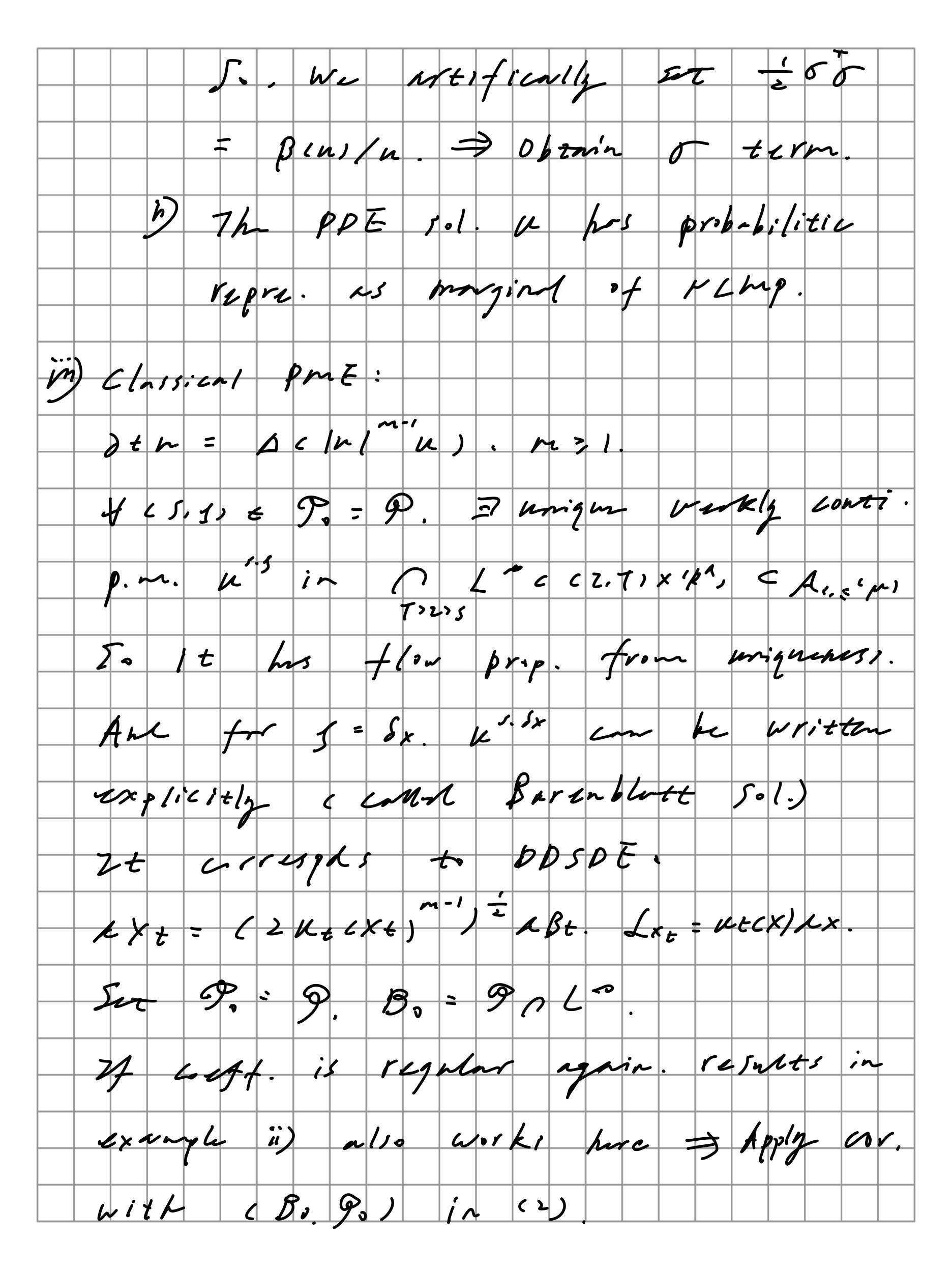


that P(1.5), (1.1) 5. (vas With Katuan (r-by). by last KNK in D For He = Bb. St. St. Seluis = 1. =) 1/e:=/ign (c.s).cr,g,(2cg) Anicg)) 5./ves with known (1-epis) (As n Encheza. Zén, 16 e Zín) = q e Zín) g = c. j. sz. / g / j = 1. lot e = 1 A110. 4: Ns: - 1. 0 = 6/22. - 22. #p1.5 (8)=1. Let P:= (8P1.5). (2)

1p + 0 (2 t), P2 0 (2 t) << Po(Z1) (A) = Co Pao(Z1) (A) B, = Do = D. (mis) is 5-1. flow NLFPE. St. n. EBo. Htzs. 1f SEB. le  $m_t^{s,1} \in \mathcal{B}_0$ ,  $\forall t > s$  if  $s \in \mathcal{G}_0$  (trapped) If (m') E Musicx. H (s. s) E 1/2 x Bo Then I malinn MP (Pro) is so. St. 0 (Zt) = m+ HES. 1) EXPO MSIST of correspondant law of week 50 Mireover, if SEBO. => 1Ps.s is







aplan egunt! 100. CFP Reformention the west is westly anti. I.m. 501. with Assum by to NLFPE: J+u = Ac/Pn/P2 Duj - Div(P(1841)u) Rm: i) Za urrespl en DDSDE: XXt = 8018uct.Xtsl ) Lt + dz 17Kct, X+1 = Kctix)Ax. B) Now that the NLFIE wiff.

than Single Unlue from Ja the ML superposition prin. Sol. (X) to DDSDE ve. St. Lx Lx7 (XX) = Sy (AX). Julian Saporposition psiaci. by trozening with circ. Dwz. = Itu K (DW1) P-2 (D ) - Div(D((DW1) u)) 20: = [ W 25, x ) /x , h = 1/2 , s = 9 . i.e. 11 possith Nist from Branklott 5.1 emp: i) [Sy] Le Do i) 4 1 e 9, 7 mgn (5,1). se 5 = WTES.XJAX. FIS J= W115.X) AX E Pa. We set 1.5 = W/2 S+ t-S, X) XX. #t 75.

