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32 HFS Elastonia, recipp K= # bodies.
                                                                                                                                                                                                                                                 Th. @ 11/9/23.
                    Want F-L) In = Q where L = x 12T
                                                                                                                                                                                                                           & use Dir BUP for
                                                                                                                                                                                                                                    Um & (sphen #)
                   . White x? II - at III"=0 x= t.
                                                                                                                                                                                                                      const potentials took case:
                                                                                                                                                                                                                         use changes que as
                 Xo = 9h I 50 SX. 13 completion pot."
                                                                                                                                                                                                                         input deta!
  (K=1)

Rep u = S(I-L) x 4 Six.
       Mich [S(I-L) + Lr] K = -Solo (20) When Lr = 1/1/1 IN

"AL 2 modified from A=S; MXN.
      i) let \alpha solve (*), then \operatorname{cord}(R) on t^2: up = S(I-L) \times + S \times_0 = -L_C \times_C = \operatorname{const.}
     ii) By (F), flux Jun = Jn. 75°(x0) = Zx0 = J1 by constner of x0.
                                                                 Since \Sigma(I-L)K=0
    iii) Finally, by (R), Du = O in ext.
                                                                                                                                                                                                i) k ii) x iii) = a sohra elastam
                                                                                 unknowns completion.
      K = \begin{bmatrix} K_1 \\ K_2 \end{bmatrix} U = \begin{cases} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} 
       strict vers. Solve (K22):  \begin{bmatrix} S(1-L)+Lr & S_{12}(1-L) \\ S_{21}(1-L) & S(1-L)+Lr \end{bmatrix} \begin{bmatrix} X_1 \\ X_2 \end{bmatrix} = -\begin{bmatrix} S & S_{12} \\ S_{21} & S \end{bmatrix} \begin{bmatrix} X_{01} \\ X_{02} \end{bmatrix}  Construction  \begin{bmatrix} S_{11}(1-L) \\ S_{21} & S \end{bmatrix} \begin{bmatrix} X_{01} \\ X_{02} \end{bmatrix} = -\begin{bmatrix} S & S_{12} \\ S_{21} & S \end{bmatrix} \begin{bmatrix} X_{01} \\ X_{02} \end{bmatrix}  (*)
                                                                                                                                                                                                                                                                               construe.
      Lemma: i) holds:
                                                                                                                                                                                                                                       evals completion por. A
            Eval alm, = (R) 5(1-L) x, + Sexol, + Sp2(1-L) x/2 + Sp2x02
                                                                                                                                                                                                                   =- (uoi), uo= ZStable.
                                                  (*) -Lrox, which is const or QED.
                                                                                                                                                                                Scan rend of stotlenge answers
R-Prevond: let 8/4 = (S(1-L) + Lr) xk = : AL xk
                                                   then \left[\begin{array}{cccc} I & S_{12}(1-L) A_{1}^{\dagger} \\ S_{21}(1-L) A_{1}^{\dagger} & I \end{array}\right] = \left[\begin{array}{cccc} U_{01} \\ U_{02} \end{array}\right]
                                                                           unshace (T) = Tk + 5 Skk' (I-L) At 1k' (Id part) k'th c
 Works! 7=29pm.
 Can send in Egn? ontigut from Dir BVP with known Vk=k, k=1-K.
                                                                                                                                                                                                                                                         translucant
                                                                                                                                                                                                                                                          contour 2d slives
 Check elastine recovers the same VK
                                                                                                                                     1=CV (1-boly) so g>0 9 v>0.
 (Sign or? A G = Fry ADG = The
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