マー いいかい + いいかり T = TUSY)

Ux + Vy=0 Max cars. Boundary loyer UUx + VUy = 1 Uyy U War. cons. Energy Cars. UTE + UTS = a Tyg

U = Us Fin V = EVILLE [MFin - Fin]

uhm 12 VV

and for temperature G(M, Pr) = T-TEO

=1/4 = manulan different => relative thekness of

f"(0) = 0.332057

thent mouth B.L.s.

h= Ax = 0.1

Equations become

$$F''' + \frac{1}{2}FF'' = 0$$

$$F(0) = 0$$

$$F'(0) = 0$$

Boundary Value Problems.

Must we the technique of shooting'

For F problem were Froj=0

[="10]=0

="10]= quess;

Adjut Fra squer

Solve problem with guess and guess. Interphole to find guesse that will force F'(00)-1.

Itanke! By that or Fala Boother

Ou F(n) is solved, then solve 6 problem.

Piele 6'(0) = quess, r. quess, Run the problem

to itente to 6'101 that gives 6100) =0',

F''(0) = 0 F'(0) = 0 F''(0) = 0 F''(

 $P_{r}=5$ $N_{m} = 4.91$ $N_{t} = 2.75$

To we lik

F = 51,

F' = 12,' = 13

F' =

| | 7,' = 73 7,' = 42 | 12(0) = 2hen 12(0) = 0 12(0) = 0 |
|---|----------------------|--|
| _ | 22, = 5 br 1'22 | 249 =2nea |

Rin though yell order Rok.

्पृ

