$$U = \begin{cases} C_0 + C_{1.\Gamma} & , 0.15 \le \Gamma \le 0.333 \\ C_3 + C_{2.\Gamma} & , 0.233 \le \Gamma \le 0.4167 \\ C_5 + C_{4.\Gamma} & , 0.4167 \le \Gamma \le 0.5 \end{cases}$$

Feldinde ayrık fonksiyonu yazabiliriz. Bu parçıalı fonksiyonda 6 adet bilinmeyer var. Bilinmeyer Szyranı düzürmek icin süreklilik koşulunu kullanalım.

$$C_3 = C_0 + C_1 \cdot C_2 \cdot C_3 = C_0 + 0.333 \cdot C_1 - 0.333 \cdot C_2$$

2.Adim

$$C_5 = C_0 + 0.333 C_1 - 0.333 C_2 + 0.4167.C_2 - 0.4167.C_4$$

=> Bu sayede bilinmeyor sayısı 6'dar Lie düsirilmüs oldu.

$$U = \begin{cases} C_0 + C_{1.17} &, & 0.25 \le r \le 0.333 \\ C_0 + 0.333 \cdot C_1 - 0.333 \cdot C_2 + C_{2.17} &, & 0.333 \le r \le 0.4167 \\ C_0 + 0.333 \cdot C_1 - 0.3333 \cdot C_2 + 0.4167 \cdot C_2 - 0.4167 \cdot C_4 + C_{4.17} &, & 0.4167 \le r \le 0.5 \end{cases}$$

Jeklinde u parcalı fonksyon yazılabilir.

$$\begin{array}{c} = \sum_{Q(1-V^2)} \int_{0.25}^{45} \frac{du}{dr} \int_{r}^{2} r \, dr + 2V \int_{0.45}^{4} \frac{du}{dr} V \, dr + \int_{0.25}^{4} \frac{u^2}{dr} \, dr \\ = \sum_{Q(1-V^2)} \int_{0.25}^{45} \frac{du}{dr} \int_{r}^{2} r \, dr + \int_{0.45}^{4} \frac{du}{dr} \int_{r}^{2} r \, dr + \int_{0.45}^{4} \frac{du}{dr} \int_{r}^{2} r \, dr + \int_{0.25}^{4} \frac{du}{dr} \int_{r}^{2} \frac{du}{dr} \int_{r}^{$$

 $= \begin{bmatrix} 0.693.C_0^2 + 0.0684.C_1^2 + 0.0591.C_2^2 + 0.0698.C_1^2 + 0.0014.C_2.(100.C_0 + 33.C_1 - 33.C_2) \\ + 0.4324.C_0.C_1 - 0.1223.C_0.C_2 - 0.0603.C_1.C_2 - 0.1518.C_0.C_4 - 0.0501.C_1.C_4 \\ - 0.0131.C_2.C_4 + 0.000016.C_4(10000.C_0 + 3300.C_1 + 864.C_2 - 4164.C_4) \end{bmatrix}$

O obliqu icin

$$TI=u-w=2.TI.L.(\frac{E}{2(1-v^2)}(I_1+I_2+I_3)-a.p;u(a)+b.o.u(b))$$

Elde edilon integralladeki degater yzzulip, farmüldeki elde edilon kassayılar yanne toyulduğunda elde edilon dalıtım zu sekilde olur.

$$TT = \frac{1}{164685,57}. C_2. (20000.C_0 + 6600.C_1 + 867.C_2 - 13634354,08.C_1 - 78539816,3.C_0 + 446462,60.C_4 (20000.C_0 + 6600.C_1 + 1334.C_2 + 833.C_4) + 85755122,54.C_1.(100.C_0 + 29.0.C_1) + 12383525252937,59.C_0^2 + 16343802937.31.C_1^2 + 16349268732.62.C_2^2 + 1929585520271.C_4^2 + 50970380.1.C_2 (100.C_0 + 33.C_1 - 33.C_2) + 77579935344,93.C_0.C_1 - 2186042370.06.C_0.C_2 - 7213939330,9.C_1.C_2 - 27134370766.8.C_0.C_4 - 8954342353.05.C_0.C_4 - 2352549945.48.C_2.C_4 + 2976417.37.C_4 (10000.C_0 + 3300.C_1 + 7667.C_2 - 4169.C_4)$$

Elde editer bu derktemin bilinneger karsyılar olar Co. Ci. Cz. Ci'e göze tismi türevini alalım

Iguzun-2

$$\frac{\partial TI}{\partial G} = 0$$

Equation - 4

Bulunan derklemb cossibligionde bulunan Co. Ci, Cz ve Cu kaisayıları zu sekible olur.

$$C_{1}=-0.00072402744$$

=) Donklern sadelegnime sırasında yaptığımız işlende elde ettiğimiz eştilizen Co, Cı, Cz ve Ch teks dégoleri yazarak Cz ve Ca degolerini bilabiliria

$$U = \begin{cases} 0.00072 (02744 + 0.001021119476 & , 0.25 £ r £ 0.23 \\ 0.0007602780875 - 0.000524309298 & , 0.523 £ r £ 0.4167 \\ 0.000454303826 & -0.000271711062503 & -/ 0.4167 £ r £ 0.5 \end{cases}$$

Elde edila bu dallom
$$\sigma_r = \frac{E}{1-v^2} \left(\frac{du}{dr} + v \cdot \underline{u} \right) v \cdot \overline{v_\theta} = \frac{E}{1-v^2} \left(\frac{du}{dr} \cdot v + \underline{u} \right)$$

$$\sqrt{\Gamma} = \begin{cases}
-3.0136 \times 10^{3} + \frac{1.9409 \times 10^{3}}{\Gamma}, & 0.25 \le \Gamma \le 0.33 \\
-1.5512 \times 10^{3} + \frac{3.5234 \times 10^{3}}{\Gamma}, & 0.23 \le \Gamma \le 0.4161
\end{cases}$$

$$-8.0349 \times 10^{3} + \frac{3.1034 \times 10^{3}}{\Gamma}, & 0.25 \le \Gamma \le 0.4161$$

$$-8.0349 \times 10^{3} + \frac{1.0345 \times 10^{3}}{\Gamma}, & 0.4161 \le 0.5$$

r(m)	0.25	0.33	0.15
umes)	4.6875x10-4	3.6346×104	3.1891x10-4
ار	-1.0432×108	-5.3265×187	-1.8230×10
4 <u>P</u>	3.5682×108	1.8664×108	1.2653 x108