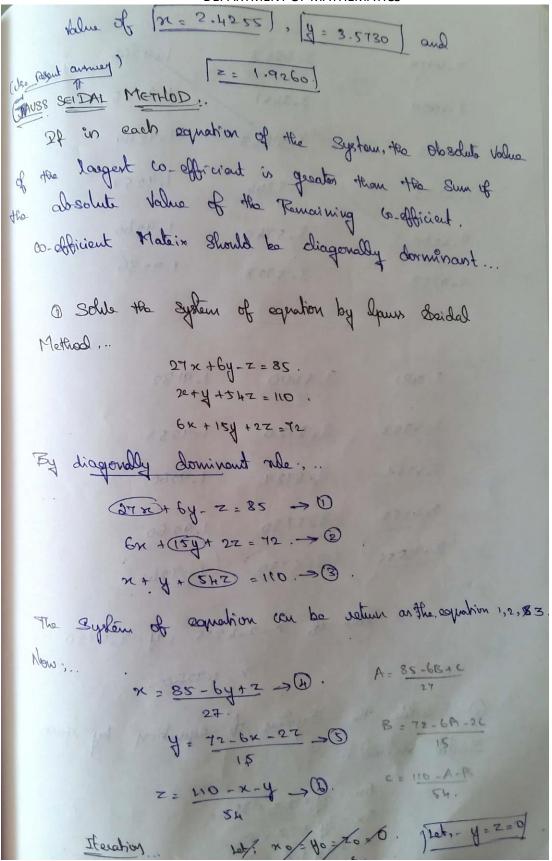




COIMBATORE-35 UNIT -3 / SOLUTION OF EQUATION AND EIGEN VALUE PROBLEMS DEPARTMENT OF MATHEMATICS







COIMBATORE-35 UNIT -3 / SOLUTION OF EQUATION AND EIGEN VALUE PROBLEMS DEPARTMENT OF MATHEMATICS

3.1481 3.5400 1.9132				
2.4323 3.5720 1.9258.				
2.4257. 3.5729 1.9260				
2.4255 3.5730 1.9260				
2.4855 (3.5730) (1.9260)				
:. Value of 2 = 2.4255, 4=3.5730				
Z:1.9260.				
D. Solle the System of equation by Jams Seidal nothal:				
6x + 3y + 12z = 35 8x - 3y + 2z = 30 6x + 3y + 12z = 33				
(8x)-3y+22=20 >0				
+x + (1y)-2 = 33 → (2)				
6x + 3y + (127) = 35-33.				
7 this implies the equation is diagonally dominant.				





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Thousing 1	DEPARTMENT OF MATHEMATICS			
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3. Solle the equation of equation by James about Method. 28x + 44-5 = 35 2x + 124 + 45 = 35 3x + 34 + 45	6. 30164		0.9120	
3. Solds the Egglan of equation by yours doids Method. 28x + 4y-z=32 2x+17y+4z=25 2x+17y+4z=35 2x+17y+4z=35 2x+17y+4z=35 2x+17y+4z=35 2x+17y+4z=35		1-9859	6.4118	
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28x + 4y - z = 3z $28x + 4y - z = 3z$ $28x + 4y - z = 3z - 0$ $28x + 4y - z = 3z - 0$ $2x + 1xy + 4z = 3z - 0$ $2x + 1xy + 4z = 3z - 0$ $2x + 1xy + 4z = 3z - 0$	(3) 8-14 15	POUR MANUAL SCAP, WIN	0 00000	
28x + 4y - z = 3z $28x + 4y - z = 3z$ $28x + 4y - z = 3z - 0$ $28x + 4y - z = 3z - 0$ $2x + 1xy + 4z = 3z - 0$ $2x + 1xy + 4z = 3z - 0$ $2x + 1xy + 4z = 3z - 0$. Souls The	3 disperied of solveying y	bestell labies cours by	
2x + 1xy + 4z = 35. 28 x + 1xy + 4z = 35. 28 x + 1xy + 4z = 35. 2x + 1xy + 4z = 35.				
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28 x + 1 xy + 4 z = 35 - 2 2x + 1 xy + 4 z = 35 - 2 2x + 3y + 10 z = 2x - 3	2×+174+42			
5x434+0x= 5x -3 5x+1xA+ \$x = 32-0 58x+44-5= 85-30	primare Vita = 25.			
5x434+0x= 5x -3 5x+1xA+ \$x = 32-0 58x+44-5= 85-30	to give Equacition Can be written as			
24 4.05 = 54 - 3	28 x + 44 - 2 - 32 -> 0			
24 4.05 = 54 - 3	and with a	227+174+67=35	1411 1311 Turgers	
	The trapis is 12)	15 + 10 = 24 - 3	The second second	
of the Maria of Mariant.	oo Ry Mal.	n downert		





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$$SC = \frac{32 - 44^{12}}{28}$$

$$A = \frac{35 - 2x - 42}{17}$$

$$A = \frac{35 - 2x - 42}{17}$$

$$A = \frac{32 - 44^{12}}{17}$$

$$A = \frac{34 - 24}{17}$$

$$A = \frac{3$$