

INSTITUTO TECNOLÓGICO DE SONORA

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ASIGNACION06.5_252628 ELIMINACIÓN DE GAUSS

METODOS NUMERICOS COMPUTACIONALES

MANUEL ALEJANDRO QUINTANA GARCIA

			- L	-1	
		1x + 6	5>-2	= -2	
R,	2	-1	1	1	P2-0 4 (P1)
ez.	– н	6	-1	-2	
23	-2	7	2	q	R3-0 2 (R1)
-5,			T CE		
R,	2	-10	916	1	
R2	0	4	1	0	
R3.		6	3	10	
	2(2)=	= 4 + C	-4)=	0	1(2)=2+62)=0
	2(-1)	=-2	+ 6 =	1(-1)=-1+7=6	
	2(1)	= 2 +	(-1)	1(1)=1+2=3	
	2(1)	= 2 +	(-2)	=0	1(1)=1+9=10

4 2		1	1	111111111111111111111111111111111111111
K2 0	6	3	10	23→-4 (22)
Ks O	4	1	0	
			142	
12	-1	1	1	-4(6)+4=0
0	6	3	10	-1 (3) +1 = -1
0	0	-1	-6.667	-4 (10) 10 = -6 (0)
-				$-\frac{4}{6}(10)+0=-6667$
6 4 3 6 4 3 6 4 4 3 6 4 4 3 6 4 4 3 6 4 4 3 6 4 4 3 6 4 4 3 6 4 4 4 4	32 = 3 (6.6) 20.00 0 - 2 - 10.00 6	(F30 (F30 (100 (100 (100 (100	= 10	-6667
2x-y 2x-(2x + 2x + 2x = 1 2x = -	-1.666 1.666 8.333	6) + 6 $5 + 6$ $33 = 1$	6.666	7 = 1 7 = 1

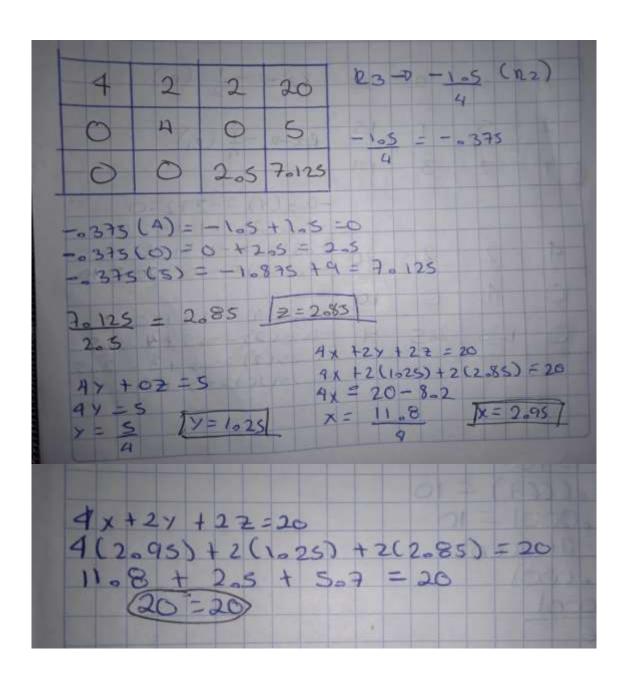
	d= 0.00	003 x 4 1	. 5667 =	10 56	q
	1031	15 x + 2	101577 =	3.50	2
Ì	0.0003	1.566	1.569		
8	1.345	2,153	3.502	Babb	
2,	10345	20157	3.502		0.0003 (E1)
22	0.0003	1.566	1.569		1 2 2 2 3
	1.345		3.502		
	0	1.5655%	1.568220		
	- 0.0003	(1.345) +	0.0003 =	0	
	1.345	(20157)	+ 1.566	= 1.56	SS
	1.345	(3.502)	+ 1.569	= 1.56	82

y = 1.0568220 y = 1.001725 1.345x + 2.157y = 3.502 1.345x + 2.157(1.001725) = 3.502 1.345x + 2.16072 = 3.502 1.345x = 3.502 - 2.16072 1.345x = 1.34128 1.345 1.355 1

	X - :	25 + 2	= 2					
2	Lx +	y + ;	2 = 6					
0	2	7	4					
V	4	4	2					
2	1	1	6					
						,		1
2	1	1	6	R2	-0 -	2	(Ri)
1	-1	١	2					
0	2	1	4					
							10	
2	0	1	6	-0.5				0
0	-105	0.5	-0	-005	(1) = -	-0.		1100000
0	2	1	_	-0.5				
				2005	(6)=-	- 3	1	

2	1	1	6	R3-0	105 (12)
0	2	1	4	075 (2)	= 125 + (-	105)=0
0	-1.5	0.5	-1	.75(1):	75 + .	5 = 1.25
				P3 (4)	= 3+(-1)=2
2	1	1	6			
0	2	7	н			
0	0	1025	2			
Z = .	2 1025] = =	1.6			
27 +	2 = 1 106 = 4 - 108	4	2 x 2 x	+ y + 1 + 102 + 1 + 208 =	6 = 6	
27=3			22	= 5 - 2. = 3.2 = 3.2 2	1x= 1.E	1
y= 10	2	3.2	+y +z 6) +1 +2-	2 + 106	= 6	

	1x + 2 2x +5 4x +2	7 + 2	= 15	
		2		346 34 3 36
1	2	3	14	
2	5	1	15	
ч	2	2	20	
4	2	2	20	R2-7-1 (Ri)
2	5	- 1	15	P3-0-1 (21)
T	2	3	14	
				-0.5(4) = -2+2=0 -0.5(2)=-1+5=4
4	2	2	20	-05(2)=-1+1=0 -005(20)=-10+13=5
0	4	0	5	-0025(A) = -1 + 1=0
0	1.5	2.5	9	-0.25(2) = -05 + 2 = 1.5 -0.25(2) = -05 + 3 = 2.5 -0.25(20) = -5 + 14 = 9



-	3x +2	099)	02 =	3.901	
	SX	- 1 y	+ 52	- 6	
10	-7 2.099				3 (12,)
5	-1	5	6	R3-0	-1 (R)
10		6	2-5		
0.30	0)+6	2.099 = 6	=-0.00	-005 (0	0)+5=0 +)+1=2.5 0)+5=5 0)+6=2.5

0 2.5 5 2.5 0 -0.001 6 6.001	23-70.001 (P2) 205 0001 - 0000A
10 -1 0 7	0.0004 (2.5) + (-0.001) = 0 . 0004 (3.5) + 6 = 6.002 . 0004 (3.5) + 6.001-6.002
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	

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١٥	X, +	Sx2	- x3	= 10 3 = 7 x3 = 15
3	4	3	10	
1	5		7	C + 2.5 - 1 - 2.6 1 - 2.6
6	3	7	15	01 1 - (10) 1 5-12 3 3
	0		15	P2-0-1 (P1)
6	3			
	5	-1	7	23-0-3 (n.)
3	4	3	10	6
				1-160 - 111-0
6	3			-1 (6) = -1 +1=0
0				-= (3) -Oos + s = 4.8
0	2.5	-0.5	2.5	- き(き) = -101667 + -1=-2-166
-0.5 (6)=-3+3	5=0		- to (15) = - 2.5 +7 = 4.5
-05 (3)	=-1.5	+4=2	-0.5	-0.5 (15) = -7.5 + 10 = 2.5
00				

