Como funciona el programa.

Jacobi

Cuarto Parcial

Informacion   Acerca

Jacobi | Gauss - Seidel | Newton - Rhapson Multivariable | Aproximacion Funcional

Variables
3

Generar Matriz Jacobi

Resolver   **Limpiar Pantalla**

Error: Error Permitido

Valor X1   Valor X2   Valor X3

Introducir los valores respectivos

X1   X2   X3

Llenar la matriz

Tercer Parcial

Informacion   Acerca

Jacobi | Gauss - Seidel | Newton - Rhapson Multivariable | Aproximacion Funcional

Variables
4

Generar Matriz Jacobi

Una vez llenado los espacios solicitados, presionar 'resolver'

Resolver   **Limpiar Pantalla**

Error: .001

Valor X1   Valor X2   Valor X3   Valor X4
0   0   0   0

X1	X2	X3	X4	
6	-1	-1	4	17
1	-10	2	-1	-17
3	-2	8	-1	19
1	1	1	-5	-14

Num	X1	X2	X3	X4	X1N	X2N	X3N	X4N	ErrorP1	ErrorP2	ErrorP3	ErrorP4
1	0.000000	0.000000	0.000000	0.000000	2.833333	1.700000	2.375000	2.800000	---------	---------	---------	---------
2	2.833333	1.700000	2.375000	2.800000	1.645833	2.178333	2.087500	4.181667	72.151899	21.958684	13.772455	33.041052
3	1.645833	2.178333	2.087500	4.181667	0.756528	1.863917	2.825104	3.982333	117.550945	16.868601	26.108919	5.005441
4	0.756528	1.863917	2.825104	3.982333	0.959948	1.942440	3.055073	3.889110	21.190747	4.042524	7.527439	2.397042
5	0.959948	1.942440	3.055073	3.889110	1.073512	2.018098	2.986768	3.991492	10.578776	3.748981	2.286907	2.565018
6	1.073512	2.018098	2.986768	3.991492	1.006483	2.005556	2.975894	4.015676	6.659766	0.625399	0.365414	0.602230
7	1.006483	2.005556	2.975894	4.015676	0.986458	1.994260	3.000917	3.997587	2.030015	0.566434	0.833855	0.452505
8	0.986458	1.994260	3.000917	3.997587	1.000805	1.999071	3.003342	3.996327	1.433584	0.240665	0.080719	0.031519
9	1.000805	1.999071	3.003342	3.996327	1.002851	2.001116	2.999007	4.000643	0.203982	0.102221	0.144546	0.107896
10	1.002851	2.001116	2.999007	4.000643	0.999591	2.000022	2.999290	4.000595	0.326059	0.054703	0.009464	0.001219
11	0.999591	2.000022	2.999290	4.000595	0.999489	1.999758	3.000233	3.999781	0.010259	0.013216	0.031418	0.020349
12	0.999489	1.999758	3.000233	3.999781	1.000145	2.000017	3.000104	3.999896	0.065556	0.012983	0.004312	0.002879
13	1.000145	2.000017	3.000104	3.999896	1.000090	2.000046	2.999937	4.000053	0.005505	0.001409	0.005552	0.003930
14	1.000090	2.000046	2.999937	4.000053	0.999962	1.999991	2.999984	4.000014	0.012786	0.002727	0.001578	0.000967
15	0.999962	1.999991	2.999984	4.000014	0.999986	1.999992	3.000014	3.999987	0.002459	0.000028	0.000983	0.000675
16	0.999986	1.999992	3.000014	3.999987	1.000009	2.000003	3.000001	3.999998	0.002301	0.000553	0.000415	0.000273
17	1.000009	2.000003	3.000001	3.999998	1.000002	2.000001	2.999997	4.000003	0.000752	0.000064	0.000150	0.000108

X1 = 1.000002
X2 = 2.000001
X3 = 2.999997
X4 = 4.000003

Y estará la solución en el pequeño cuadro blanco de abajo.