







Solving Linear Equations Using Excel

Computational Methods

Set up the matrices in Excel

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	А	В	С	D	E	F	G	н				
1												
2	A =	1	2	5		B =	21					
3		10	7	6			12					
4		8	9	1			26					
5												
6	A ⁻¹ =					X =						
7												
8												
9												

Compute the Inverse Matrix of A (*MINVERSE*)

- Select the cells
 B6:D8
- In the formula bar, type =MINVERSE(array)
- DO NOT PRESS 'ENTER'
- Press Ctrl+Shift+Enter



You can also use the mouse to select the array)

Calculating X using MMULT

- Now, w calcula multipl with B
- Select G6:G8
- In the f bar, typ =MMUL array2)
- Press Ctrl+Sh

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lying A-1	G6	• :	× ✓ fx {:	=MMULT(B6:D8,G2:G	;4)}				
the cells		А	В	С	D	E	F	G	Н
	1							\bigcirc	
	2	A =	1	2	5		B =	21	
formula	3		10	7	6			12	
be	4		8	9	1			26	
T(array1,-	5								
	6	A ⁻¹ =	-0.23618	0.21608	-0.11558		X =	-5.37186	
	7		0.190955	-0.19598	0.221106			7.407035	
	8		0 170854	0.035176	-0.06533			2.311558	
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** You can also use the mouse to select the arrays)