2/26/24, 6:31 AM Matrix calculator

 $A \times B$ 

A + B

A - B

## Matrix calculator

Matrix calculator √

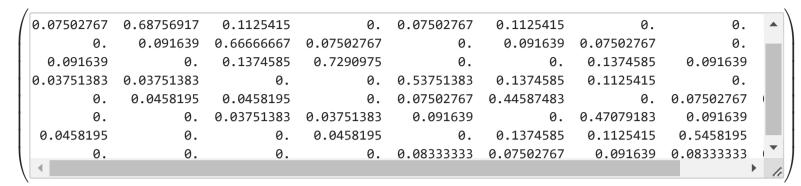
System of equations calculator

Determinant calculator

Eigenvalues calculator

Wikipedia:Matrices

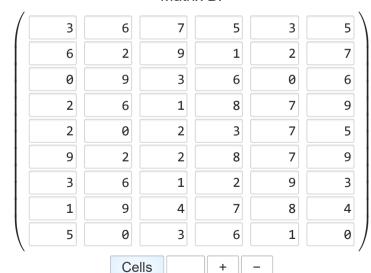
## Matrix A:



		Ochs				
Determinant		Inverse	Transpose	Rank		
Multiply by	2	Row echelon form	Diagonal matrix	To the power of	2	
		LU decomposition	Cholesky decomposition			

Cells

## Matrix B:



Determinant		Inverse	Transpose	Rank							
Multiply by 2		Row echelon form	Diagonal matrix	To the power of							

LU decomposition Cholesky decomposition 2A+3B ☑ Display decimals, number of fraction digits: 16

Hide Ads

Clean

Insert in B

/	0.75	0.1374585	0.	0.1125415	0.1374585	0.	0.	0.1125415	0.	١
1	0.07502767	0.68756917	0.1125415	0.	0.07502767	0.1125415	0.	0.	0.	1
1	0.	0.091639	0.66666667	0.07502767	0.	0.091639	0.07502767	0.	0.	l
1	0.091639	0.	0.1374585	0.7290975	0.	0.	0.1374585	0.091639	0.	l
1	0.03751383	0.03751383	0.	0.	0.53751383	0.1374585	0.1125415	0.	0.25	ł
١	0.	0.0458195	0.0458195	0.	0.07502767	0.44587483	0.	0.07502767	0.15005533	١
١	0.	0.	0.03751383	0.03751383	0.091639	0.	0.47079183	0.091639	0.183278	١
1	0.0458195	0.	0.	0.0458195	0.	0.1374585	0.1125415	0.5458195	0.25	
\	0.	0.	0.	0.	0.08333333	0.07502767	0.091639	0.08333333	0.16666667	/

 $\begin{pmatrix} 3 & 6 & 7 & 5 & 3 & 5 \\ 6 & 2 & 9 & 1 & 2 & 7 \\ 0 & 9 & 3 & 6 & 0 & 6 \\ 2 & 6 & 1 & 8 & 7 & 9 \\ 2 & 0 & 2 & 3 & 7 & 5 \\ 9 & 2 & 2 & 8 & 7 & 9 \\ 3 & 6 & 1 & 2 & 9 & 3 \\ 1 & 9 & 4 & 7 & 8 & 4 \\ 5 & 0 & 3 & 6 & 1 & 0 \end{pmatrix}$ 

3.6872925 6.4630395 7.324751 5.9879565 5.175249 6.8625415 5.51342687 3.06326086 7.42607906 2.86337153 2.91320554 7.25138339 7.26688807 3.15808435 5.57502772 2.02519372 6.36655606 1.74972335 2.2371265 7.8110475 2.2869605 8.032116 7.348838 8.623755 4.23740313 1.25027664 2.81270744 4.66237547 6.17524896 4.71248611 5.26315013 2.07101319 2.34191567 5.53834382 4.48823319 5.283776 2.67871015 4.21220943 1.72051515 3.48283528 6.05758628 2.79983394 3.6872925 3.599668 6.4123755 7.241141 7.049834 4.399502 2.03349937 1.44988931 1.24169433 2.61683268 2.76661131 1.700166

Insert in B

/	0.75	0.1374585	0.	0.1125415	0.1374585	0.	0.	0.1125415	0.	١
1	0.07502767	0.68756917	0.1125415	0.	0.07502767	0.1125415	0.	0.	0.	1
-	0.	0.091639	0.66666667	0.07502767	0.	0.091639	0.07502767	0.	0.	l
-	0.091639	0.	0.1374585	0.7290975	0.	0.	0.1374585	0.091639	0.	l
-	0.03751383	0.03751383	0.	0.	0.53751383	0.1374585	0.1125415	0.	0.25	ł
1	0.	0.0458195	0.0458195	0.	0.07502767	0.44587483	0.	0.07502767	0.15005533	ł
1	0.	0.	0.03751383	0.03751383	0.091639	0.	0.47079183	0.091639	0.183278	١
1	0.0458195	0.	0.	0.0458195	0.	0.1374585	0.1125415	0.5458195	0.25	
\	0.	0.	0.	0.	0.08333333	0.07502767	0.091639	0.08333333	0.16666667	

8.150332 3.950166 7.1623755 5.01342686 3.41320556 5.87624505 7.60825039 5.23311203 2.2084717 2.8367945 3.74917 7.9444915 1.84994464 5.85049794 3.49999995 4.0795955 1.42954022 4.51716468 2.30384847 4.4410303 2.53723711 6.099668 4.8625415 6.991141 1.88316728 1.87513832 1.633444

Insert in B

/	0.75	0.1374585	0.	0.1125415	0.1374585	0.	0.	0.1125415	0.
1	0.07502767	0.68756917	0.1125415	0.	0.07502767	0.1125415	0.	0.	0.
-	0.	0.091639	0.66666667	0.07502767	0.	0.091639	0.07502767	0.	0.
-	0.091639	0.	0.1374585	0.7290975	0.	0.	0.1374585	0.091639	0.
-	0.03751383	0.03751383	0.	0.	0.53751383	0.1374585	0.1125415	0.	0.25
1	0.	0.0458195	0.0458195	0.	0.07502767	0.44587483	0.	0.07502767	0.15005533
1	0.	0.	0.03751383	0.03751383	0.091639	0.	0.47079183	0.091639	0.183278
1	0.0458195	0.	0.	0.0458195	0.	0.1374585	0.1125415	0.5458195	0.25
\	0.	0.	0.	0.	0.08333333	0.07502767	0.091639	0.08333333	0.16666667

5.4622095 6.225083 6.27602373 5.31353754 3.27491703 5.25830572 4.482282 5.3367945 5.48767977 4.42524896 2.2502767 5.00484448 1.43729247 6.24086428 2.324751 7.116556 1.1500553 2.93327802

Insert in B

	,								\
/	0.75	0.1374585	0.	0.1125415	0.1374585	0.	0.	0.1125415	0.
1	0.07502767	0.68756917	0.1125415	0.	0.07502767	0.1125415	0.	0.	0.
l	0.	0.091639	0.66666667	0.07502767	0.	0.091639	0.07502767	0.	0.
l	0.091639	0.	0.1374585	0.7290975	0.	0.	0.1374585	0.091639	0.
ł	0.03751383	0.03751383	0.	0.	0.53751383	0.1374585	0.1125415	0.	0.25
۱	0.	0.0458195	0.0458195	0.	0.07502767	0.44587483	0.	0.07502767	0.15005533
١	0.	0.	0.03751383	0.03751383	0.091639	0.	0.47079183	0.091639	0.183278
	0.0458195	0.	0.	0.0458195	0.	0.1374585	0.1125415	0.5458195	0.25
1	0.	0.	0.	0.	0.08333333	0.07502767	0.091639	0.08333333	0.16666667

4.274917 2.2620435 5.92607904 3.25083004 6.50000006 5.57502771 5.890643 1.8785995 5.56270746 7.53779046 4.55066397 3.325581 5.38261394 5.01176679 5.0707365 2.633444 2.84163903 2.524917

Insert in B

/	0.75	0.1374585	0.	0.1125415	0.1374585	0.	0.	0.1125415	0.
	0.07502767	0.68756917	0.1125415	0.	0.07502767	0.1125415	0.	0.	0.
l	0.	0.091639	0.66666667	0.07502767	0.	0.091639	0.07502767	0.	0.
l	0.091639	0.	0.1374585	0.7290975	0.	0.	0.1374585	0.091639	0.
l	0.03751383	0.03751383	0.	0.	0.53751383	0.1374585	0.1125415	0.	0.25
١	0.	0.0458195	0.0458195	0.	0.07502767	0.44587483	0.	0.07502767	0.15005533
١	0.	0.	0.03751383	0.03751383	0.091639	0.	0.47079183	0.091639	0.183278
1	0.0458195	0.	0.	0.0458195	0.	0.1374585	0.1125415	0.5458195	0.25
\	0.	0.	0.	0.	0.08333333	0.07502767	0.091639	0.08333333	0.16666667

> 4.274917 5.92607904 6.50000006 5.890643 5.56270746 4.55066397 5.38261394 5.0707365 2.84163903

Insert in B

	/								\
/	0.75	0.1374585	0.	0.1125415	0.1374585	0.	0.	0.1125415	0.
	0.07502767	0.68756917	0.1125415	0.	0.07502767	0.1125415	0.	0.	0.
1	0.	0.091639	0.66666667	0.07502767	0.	0.091639	0.07502767	0.	0.
l	0.091639	0.	0.1374585	0.7290975	0.	0.	0.1374585	0.091639	0.
ł	0.03751383	0.03751383	0.	0.	0.53751383	0.1374585	0.1125415	0.	0.25
ł	0.	0.0458195	0.0458195	0.	0.07502767	0.44587483	0.	0.07502767	0.15005533
ł	0.	0.	0.03751383	0.03751383	0.091639	0.	0.47079183	0.091639	0.183278
1	0.0458195	0.	0.	0.0458195	0.	0.1374585	0.1125415	0.5458195	0.25
\	0.	0.	0.	0.	0.08333333	0.07502767	0.091639	0.08333333	0.16666667

With help of this calculator you can: find the matrix determinant, the rank, raise the matrix to a power, find the sum and the multiplication of matrices, calculate the inverse matrix. Just type matrix elements and click the button.

- Leave extra cells *empty* to enter non-square matrices.
- You can use decimal fractions or mathematical expressions:

```
Use ← Enter, Space, ← ↓ →, Backspace, and Delete to navigate between cells, Ctrl + C / Ctrl + V to copy/paste matrices.
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- Drag-and-drop matrices from the results, or even from/to a text editor.
- To learn more about matrices use Wikipedia .

EX	ampie	S		

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► Thanks to: