

12.566

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October 3, 2025

Question

The product of the eigenvalues of the matrix

$$\begin{pmatrix} 2 & 3 \\ 0 & 7 \end{pmatrix}$$

is

Theoretical Solution

For a Square Matrix **A**

$$|\mathbf{A}| = \text{Product of Eigen Values} \quad (1)$$

$$\begin{vmatrix} 2 & 3 \\ 0 & 7 \end{vmatrix} = 14 - 0 \quad (2)$$

Hence, Product of Eigen Values = 14