Matrices and Determinants - Class XII

Related Questions with Solutions

Questions

Quetion: 01

$A = \begin{bmatrix} 0 & \sin\alpha & \sin\alpha\sin\beta \\ -\sin\alpha & 0 & \cos\alpha\cos\beta \\ -\sin\alpha\sin\beta & -\cos\alpha\cos\beta & 0 \end{bmatrix}$, then $|A|$

A. is independent of α and β
B. depends only on β
C. depends only on α
D. none of these

Solutions

Solution: 01

As, A is a skew-symmetric matrix of odd order, therefore $|A| = 0$ which is independent of α and β .

Correct Options

Answer:01
Correct Options: A