

反矩陣，純量左行列式的性質 題目

95 成大統計

If A is an 3×3 matrix and $\det(A) = 3$, then $\det(\frac{1}{2}A^{-1}) = \frac{8}{3}$.

Ans.
$$\det(\frac{1}{2}A^{-1}) = (\frac{1}{2})^3 \times \frac{1}{\det(A)} = \frac{1}{8} \times \frac{1}{3} = \frac{1}{24} \quad \#$$