



MATRIX DETERMINANT OF PRODUCT

Why

TODO

Result

PROPOSITION 1. *The determinant of a product of two real matrices is the product of the determinant of each matrix.*

Proof. Let $A \in \mathbf{R}^{n \times p}$ and $B \in \mathbf{R}^{p \times n}$. We want to show that

$$\mathbf{det}(AB) = \mathbf{det}(A) \mathbf{det}(B).$$

TODO

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