



Matrix Determinant of Product

1 Why

TODO

2 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

$$\det(AB) = \det(A) \det(B).$$

TODO

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