



MATRIX DETERMINANT OF PRODUCT

Why

TODO

Result

Prop. 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

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

1

□

¹Future editions will include a proof.

