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The Jacobi's Formula Relates The Derivative Of Determinant Of A Matrix To The Derivative Of The Matrix $\frac{d(\det X)}{dx} = \text{Tr} \left(X^{-1} \frac{dX}{dx} \right)$ Note That $\det X$, X And $\text{Tr} \left(X^{-1} \frac{dX}{dx} \right)$ Are All Scalars Apr 1th, 2024

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