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 Differential $dY = d\text{Logdet} Y$ By Differential Formula (Maxtri Cookbook Eq.43), $d\text{Logdet} Y = \text{Tr}(Y^{-1} dY)$ Put Back $Y = X \succ X$, We Have
 $dY = \text{Tr}(X \succ X)^{-1} d(X \succ X)$ By (2) And (3), $d(X \succ X) = (dX \succ) X + X \succ dX$ Mar 7th, 2024.
 Matrix Derivatives, Single Entry Matrix And Derivatives Of ...Reference : Matrix Cookbook Equations (450-452) 9/17.
 Application Of Jij In Deriving Matrix Derivatives The Jacobi's Formula Relates The Derivative Of Determinant Of A Matrix To
 The Derivative Of The Matrix $\frac{\partial \det X}{\partial x} = \det X \text{Tr} X^{-1} \frac{\partial X}{\partial x}$ Note That $\det X$, X And $\det X \text{Tr} X^{-1} \frac{\partial X}{\partial x}$ Are All Scalars Apr
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 Grateful To Dr Don Samuelson And His Laboratory Technicians, Ms. Patricia Lewis, And Ms. Mae Chisholm For May 8th, 2024.
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