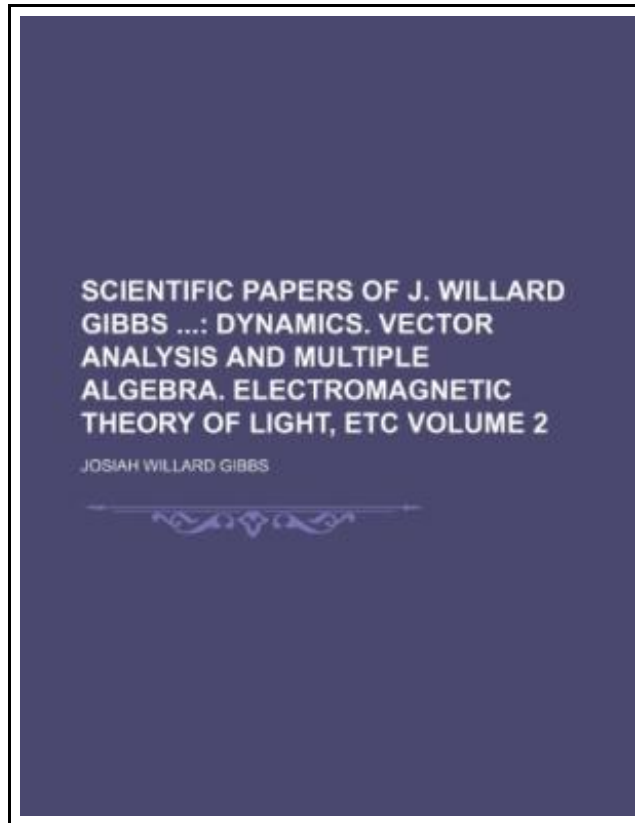


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 $-(\mathbf{aX})\mathbf{J}()$ $(\mathbf{ax8})(\mathbf{xM})$, $(\mathbf{aX}): (\mathbf{8M})$ $(\mathbf{a} \cdot \mathbf{8})(\mathbf{X} \cdot \mathbf{M})$. With these definitions $\mathbf{J}!$ will be the determinant of , and will be the conjugate of the reciprocal of \mathbf{fr} multiplied by twice the determinant. If represents the manner in which vectors are affected by a strain, will represent the manner in which surfaces are affected, and the manner in which volume3 are affected. Considerations of this kind do not attach themselves so naturally to the notation $\mathbf{0}$ \mathbf{aSXJSz} \mathbf{ySv} , nor does the subject admit so free a development...



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