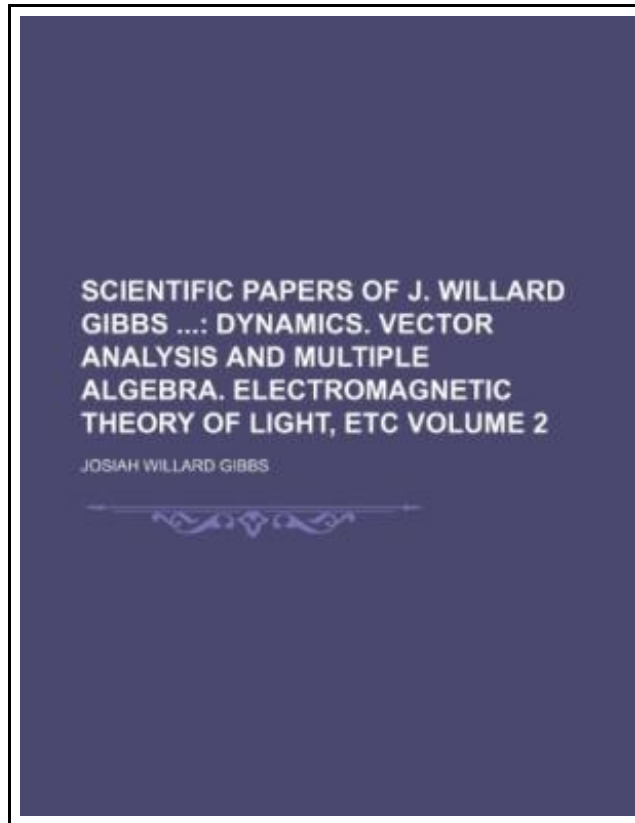


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 $(aX)J()$   $(ax8)(xM)$ ,  $(aX): (8M)$   $(a. 8)(X. M)$ . With these definitions  $J!$  will be the determinant of , and will be the conjugate of the reciprocal of  $fr$  multiplied by twice the determinant. If represents the manner in which vectors 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 0  $aSXJSz$   $ySv$ , nor does the subject admit so free a development...



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