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identityholds: " $i j k$ " $klm \sim -il - jm \ i - im - jl$ .(5.81) (vi)For

threedimensional vector spaces ( $n \sim 3$ ) and the

euclidean metric,  $\sum_j a_j b_j \sim q$ . " $i j k$ " $istajsbkbt \sim p$

$\sum_j a_j b_j \sum_j (a \otimes b)^2 \sim v u u t \det \hat{\ }.$

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148 Mathematical Methods of Theoretical Physics  $y \in$

$p \times x, x \in \mathbb{R}, x \geq 0$  by its inverse that is, the square function

such that  $y^2 \in y \in x$ .

However, this latter way of dening the square root function is

no longer uniquely possible if we allow negative arguments

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