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scalar

Canonical name Scalar

Numerical id 8

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Entry type Definition Classification msc 15A03 Related topic Vector

Related topic EigenvalueOfALinearOperator

Related topic AxialVector3

A scalar is a quantity that is invariant under coordinate transformation, also known as a tensor of rank 0. For example, the number 1 is a scalar, so is any number or variable $n \in \mathbb{R}$. The point (3,4) is not a scalar because it is variable under rotation. As such, a scalar can be an element of a field over which a vector space is defined.