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points: I think it does not have enough applications about vector calculus (Frenet formulas, scalar potentials, Maxwell equations...). I would have also preferred it to contain more about general tensor theory: pseudotensors, curvilinear coordinates, and also about Riemann spaces.

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For some mathematical applications, a more abstract approach is sometimes useful. This can be achieved by defining tensors in terms of elements of tensor products of vector spaces, which in turn are defined through a universal property. A type (p, q) tensor is defined in this context as an element of the tensor product of vector spaces, $\in \otimes \dots \otimes \square \otimes * \otimes \dots \otimes * \square$.

Tensor - Wikipedia

Vector spaces --Multilinear mappings and dual spaces --Tensor

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product spaces --Tensors --Symmetric and skew-symmetric tensors --Exterior (Grassmann) algebra --The tangent map of real Cartesian spaces --Topological spaces --Differentiable manifolds --Submanifolds --Vector fields, 1-forms and other tensor fields --Differentiation and integration ...

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and strain in materials, and in numerous applications in the physical sciences.

Tensor field - Wikipedia

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