- $\mathbb{F}$ Ordered scalar field, $\mathbb{R}$ or $\mathbb{C}$ when not specified
- a_n, $(a)_n$ Sequence
- $\left((a)_k\right)_n$ Sequence of sequences
- $\mathbf{x}$, x^μ Vector
- $\mathbf{x} \wedge \mathbf{y}$, $\epsilon^\mu_{\nu\gamma} x^\nu y^\gamma$ Cross product of $\mathbf{x}, \mathbf{y}$
- ∇f, $\partial_\mu f$, $\frac{\partial f}{\partial x^\mu}$ Gradient of $\mathbf{f}$
- $\langle \nabla, \mathbf{f} \rangle$, $\mathrm{div}(\mathbf{f})$, $\partial_\mu f^\mu$, $\frac{\partial f^\mu}{\partial x^\mu}$ Divergence of $\mathbf{f}$
- $\nabla \wedge \mathbf{f}$, $\mathrm{rot}(\mathbf{f})$, $\epsilon^\mu_{\nu\gamma} \partial^\nu f^\gamma$ Rotor of $\mathbf{f}$
- $\mathbf{Jf}(\mathbf{x})$, $\partial_\mu f^\nu$, $\frac{\partial f^\mu}{\partial x^\nu}$ Jacobian matrix of $\mathbf{f}$
- $\mathbf{H}_f(\mathbf{x})$, $\partial_\mu \partial_\nu f$, $\partial^2_{\mu\nu} f$, $\frac{\partial^2 f}{\partial x^\mu \partial x^\nu}$ Hessian matrix of the function f
- $\forall^\dagger$ For almost all
- $C_c^\infty(\mathbb{R}) = \mathcal{K}$ Space of test functions, (smooth with compact support)
- Z_f^m, S_f, P_f^m Sets of zeros of order m, singularities or poles of order m of a function f
- $a_n \to a$ Simple convergence
- $a_n \rightrightarrows a$ Uniform convergence
- $a_n \xrightarrow{\mathrm{A}} a$ Absolute convergence
- $a_n \xrightarrow{\mathrm{T}} a$ Total convergence
- $a_n \rightharpoonup_{\mathrm{w}} a$ Weak convergence
- $a_n \rightharpoonup_{\mathcal{K}} a$ $\mathcal{K}-$convergence
- $a_n \rightharpoonup_{\star} a$ $\mathcal{K}^\star-$convergence