Info

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Borel measures on a topological space

Definition. Support of a Borel measure on a topological space

Let X be a topological space and

$$\mu : \mathfrak{B}_X \to [0, \infty]$$

be a measure defined on Borel subsets of X. The **support** of μ

$$\text{supp}(\mu) := \{x \in X | \forall \text{ onb } U_x \text{ of } x, \mu(U_x) > 0\}$$

Current note has 0 direct children and 0 total descendants.

- structures based on sets
  - Topological spaces
    - Borel measures on a topological space

And it has 29 siblings.

- structures based on sets
  - Topological spaces
    - Group action on topological spaces
    - Discrete subgroup acting on coset space
    - Basis and subbasis for a topology
    - Principal G-bundles over topological spaces

      $$G \curvearrowright P \to X$$

    - Vector bundles over topological spaces
    - Closure of a subset of topological space
    - Locally compact and 2-countable Hausdorff topological spaces are paracompact with countable refinement
    - Covering dimension of topological spaces
    - $\text{End}\mathsf{Top}(X, Y)$
    - Eilenberg–Steenrod functors

      $$(H_n : \mathsf{Top} \times \mathsf{Top} \to \mathsf{Ab}, \partial_n)$$

    - Local fields
    - Local fields of characteristic 0
    - Topological groups
    - Continuous group action on a topological space
    - Intersection of open, dense subsets of a topological space
    - Local topological spaces
    - Covering space of a topological space
    - Borel measures on a topological space
    - Convergence for nets in a topological space
    - Loops and a open cover of a topological space
    - Paths in a topological space
    - Product of topological spaces
    - Ringed topological spaces
    - Sheaf on open sets of a topological space
    - Closed subsets of a topological space
    - Discrete subsets of topological spaces
    - Types of topological spaces
    - Locally compact Hausdorff spaces
    - Topological vector spaces over $\mathbb{R}$ or $\mathbb{C}$