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Critical values of smooth maps between manifolds

(Sard's Theorem) Let

$$F : M \rightarrow N$$

be a smooth map between smooth manifolds with or without boundary. Then the set of critical values of F has **measure zero** in N .

consequences

(Whitney embedding theorem) Every smooth n -manifold with or without boundary admits a proper smooth embedding into $\mathbb{R}^{2n+1}$.

Current note has 0 direct children and 0 total descendants.

- structures based on sets
 - manifolds
 - smooth $\mathbb{R}$ -manifold
 - Functions between smooth manifolds
 - Critical values of smooth maps between manifolds

And it has 5 siblings.

- structures based on sets
 - manifolds
 - smooth $\mathbb{R}$ -manifold
 - Functions between smooth manifolds
 - Critical values of smooth maps between manifolds
 - Embedding smooth manifolds in $\mathbb{R}^n$
 - Iterations of a smooth map on a smooth manifold
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 - Suspension of diffeomorphisms of smooth manifolds