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parameterized curves in $\mathbb{R}^n$

Definition. Parameterized curves

Given a $\mathcal{C}^k$ map on a open interval $E \subseteq \mathbb{R}$

$$\gamma : E \rightarrow \mathbb{R}^n$$

this map γ is called a $\mathcal{C}^k$ -**parameterized curve**.

A $\mathcal{C}^\infty$ -parameterized curve is called a **smooth curve**.

A parameterized curve is **regular** if

$$\gamma'(t) \neq 0, \forall t \in E$$

Current note has 6 direct children and 6 total descendants.

- [stem](#)
 - [subobjects of and functions on \$\mathbb{R}^n, S^n, \mathbb{C}^n\$ and its quotients \$\Gamma \backslash \mathbb{R}^n, \Gamma \backslash \mathbb{C}^n\$](#)
 - [Curves](#)
 - [Arc length](#)
 - [Congruent curves](#)
 - [Curvature of a curve](#)
 - [Reparameterization of a parameterized curve](#)
 - [Tangent of a curve](#)
 - [Unit speed parameterization of a curve](#)

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- [stem](#)
 - [subobjects of and functions on \$\mathbb{R}^n, S^n, \mathbb{C}^n\$ and its quotients \$\Gamma \backslash \mathbb{R}^n, \Gamma \backslash \mathbb{C}^n\$](#)
 - [Holomorphic functions on spaces over \$\mathbb{C}\$ of dimension 1](#)
 - [Open subsets of \$\mathbb{R}^n\$ with \$\mathcal{C}^2\$ boundary](#)
 - [Complex ODEs in \$\mathbb{C}\$](#)
 - [Circle packing on \$\mathbb{R}^2\$](#)
 - [Circle packing converges to the Riemann biholomorphism](#)
 - [Bounded connected open subsets of \$\mathbb{C}^n\$](#)
 - [Connected circular open subsets of \$\mathbb{C}^n\$](#)
 - [Continuous functions on \$\mathbb{R}^d\$](#)
 - [Dyadic cubes](#)
 - [Curves](#)
 - [Differentiable functions](#)
 - [Differential forms on \$\mathbb{R}^n\$](#)
 - [Fourier-Wigner transform](#)
 - [Harmonic functions composed with conformal maps](#)
 - [Hilbert transform](#)
 - [Fourier-Cauchy-Poisson correspondence of holomorphic and harmonic functions on the unit disk and their boundary values](#)
 - [Holomorphic subsets of \$\mathbb{C}^n\$](#)
 - [Regular hypersurfaces in \$\mathbb{R}^{2n}\$](#)
 - [Orientable hypersurfaces in \$\mathbb{R}^n\$](#)
 - [Laplace operator on \$\mathbb{R}^n\$](#)
 - [\$l^\infty\(\mathbb{R}\)\$](#)
 - [Lebesgue measurable subsets of and functions on \$\mathbb{R}^n, T^n, S^n\$](#)
 - [Lebesgue measure of boundary of open sets in \$\mathbb{R}^n\$](#)
 - [Local \$\mathbb{R}\$ -algebras](#)
 - [\$l^p\(\mathbb{R}\)\$](#)
 - [Metric density of subsets of \$\mathbb{R}^n\$](#)
 - [Monotone functions on \$\mathbb{R}\$](#)
 - [Cauchy integral of periodic functions](#)
 - [Polygons with integer vertices](#)
 - [Open smooth maps \$U \subseteq \mathbb{R}^2 \rightarrow \mathbb{C}\$](#)
 - [Discrete subgroups of \$\mathbb{R}^n\$](#)
 - [Discrete cocompact subgroups of \$\mathbb{R}^n\$, flat tori](#)
 - [Ramified germs of smooth and holomorphic functions](#)
 - [Open subsets of \$\mathbb{R}^n\$](#)
 - [Open subsets of \$\mathbb{R}^n\$ equipped with the flat metric](#)
 - [Closed subsets of \$\mathbb{R}^n\$ equipped with smooth functions](#)
 - [Quasi-analytic smooth functions on \$\mathbb{R}\$](#)
 - [Star-shaped subsets of \$\mathbb{R}^n\$](#)
 - [ODEs in \$\mathbb{R}^n \leftrightarrow\$ Vector fields in \$\mathbb{R}^n\$](#)