

This note, that [was found here](#), as a part of [a collection](#) is written (completely with human hands) by [Rupadarshi Ray](#), was created on July 18, 2023 12:23:49 PM, was last modified on June 8, 2025 12:29:21 AM, and was exported on September 7, 2026 3:04:04 PM.

n -sphere S^n

#wiki/Man/R/n

Current note has 4 direct children and 4 total descendants.

- [stretchy](#)
 - S^n
 - $O(n+,\mathbb{R})\curvearrowright S^n$
 - $U(n,\mathbb{C})\curvearrowright S^{2n-1}$
 - [Lebesgue measure on \$S^n\$](#)
 - TS^n

And it has 62 siblings.

- [stretchy](#)
 - [Trefoil \$3_1\$ knot](#)
 - [The only compact connected Lie group that can act faithfully on a torus is itself](#)
 - [Hecke algebras](#)
 - $\overline{B^n}$
 - $\mathrm{BS}(1,2)$
 - $(\mathbb{C},+,\times)$
 - $D^*:=D\setminus\{0\}$
 - [Cantor set](#)
 - [Configuration space of \$N\$ rigid points in \$\mathbb{R}^3\$](#)
 - [Free groups](#)
 - $GL(2)(\mathbb{Z})\curvearrowright T^2$
 - H_2^3
 - $[a,b]$
 - [Figure 8 knot](#)
 - [Lamplighter group on \$\mathbb{Z}_2\$](#)
 - $\beta\mathbb{N}$
 - $\#_2\mathbb{R}P^2$
 - $\prod_{i\in\mathbb{N}}\{1,\dots,n_i\}$
 - $\mathbb{R}P^n$
 - $(\mathbb{Q},+,\times,<)$
 - $\mathbb{Q}_{\hat{p}}$
 - $\overline{\mathbb{Q}}$
 - $\mathbb{Q}_{\mathrm{constr}}$
 - $\mathbb{Q}(\xi_n)$
 - $\mathcal{O}_{\overline{\mathbb{Q}}}$
 - $(\mathbb{R},+,\times,<,\sup)$
 - [Homeomorphism of \$\mathbb{R}^2\$ that sends \$\mathbb{N}\$ to a countable closed discrete subset](#)
 - $\mathbb{R}^2\times S^1$
 - $\mathbb{R}^n$
 - $\mathbb{R}\times S^1$
 - $\mathbb{R}\times S^2$
 - S^1
 - $S^1\wedge S^1$
 - $S^1\times S^n$
 - S^2 [and](#) $\mathbb{C}P^1$
 - [Mapping torus of the antipodal map of \$S^2\$](#)
 - S^3
 - S^n
 - [I-bundle](#)
 - [Symmetric group](#)
 - $\mathbb{I}$
 - T^2
 - T_g^2
 - $T_{0,0,3}^2$
 - $\mathbb{R}^2\setminus\{0\}$
 - [Three \$T_{1,0,1}^2\$ glued at their boundaries](#)
 - $T_{1,1,0}^2$
 - T_2^2
 - $T_g^2\times[0,1]$
 - $\#_{\mathbb{N}}T^2$
 - [Thompson's group](#)
 - T^n
 - [3-valent tree](#)
 - [4-valent tree](#)
 - $[0,1]^{\mathbb{N}}$ [with product topology](#).
 - [Whitehead manifolds](#)
 - $\mathbb{Z}$

- $\mathbb{Z}[\sqrt{m}]$
- $\mathbb{Z}[X]$
- $\mathbb{Z}^{\mathbb{N}}$
- $\mathbb{Z}[i]$
- $\mathbb{Z}[i\sqrt{5}]$