

This note, that [was found here](#), as a part of [a collection](#) is written (completely with human hands) by [Rupadarshi Ray](#), was created on June 10, 2023 5:13:59 PM, was last modified on September 7, 2026 1:10:44 PM, and was exported on September 7, 2026 3:09:50 PM.

de Rham cohomology in $\mathbb{R}^n$

 For any [star-shaped subset](#) U of $\mathbb{R}^n$, its [de Rham cohomology](#) are >

$$H_{dR}^k(U) = \begin{cases} \mathbb{R} & k = 0 \\ 0 & k > 0 \end{cases}$$

Current note has 0 direct children and 0 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\$](#)
 - [Differential forms on \$\mathbb{R}^n\$](#)
 - [de Rham cohomology in \$\mathbb{R}^n\$](#)

And it has 1 siblings.

- [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\$](#)
 - [Differential forms on \$\mathbb{R}^n\$](#)
 - [de Rham cohomology in \$\mathbb{R}^n\$](#)