

This note, that [was found here](#), as a part of [a collection](#) is written (completely with human hands) by [Rupadarshi Ray](#), was created on March 19, 2026 2:17:11 PM, was last modified on March 19, 2026 2:23:02 PM, and was exported on September 7, 2026 2:50:40 PM.

$$O^+(1,n)(\mathbb{R})$$

transitive actions

- $O^+(1,n)(\mathbb{R}) \hookrightarrow GL(n+1)(\mathbb{R}) \curvearrowright \mathbb{R}^{n+1}$
$$O^+(1,n)(\mathbb{R}) \curvearrowright \left(\mathbb{R}^{n+1}, \langle , \rangle_{1,n}, T\right)$$
- $O^+(1,n)(\mathbb{R}) \cong \mathrm{Isom}(\mathbb{R}\boldsymbol{H}^n) \curvearrowright \mathbb{R}\boldsymbol{H}^n$
- $O^+(1,n)(\mathbb{R}) \cong \mathrm{Moeb}(\partial\mathbb{R}\boldsymbol{H}^n) \curvearrowright \partial\mathbb{R}\boldsymbol{H}^n \cong (S^{n-1}, []_{S^{n-1}})$

Current note has 0 direct children and 0 total descendants.

- [squishy](#)
 - [Q](#)
 - $O^+(1,n)(\mathbb{R})$

And it has 2 siblings.

- [squishy](#)
 - [Q](#)
 - $O(n,1)(\mathbb{R})$
 - $O^+(1,n)(\mathbb{R})$