

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 17, 2025 11:54:06 PM, was last modified on July 18, 2025 12:24:24 AM, and was exported on September 7, 2026 3:31:15 PM.

Discrete normal subgroups of Lie groups

Proposition: Let G be a Lie group and $N \triangleleft G$ be a **discrete normal subgroup**. Then N is in the center of the group G

$$N \trianglelefteq Z(G) \trianglelefteq G$$

.

Current note has 0 direct children and 0 total descendants.

- [structures based on sets](#)
 - [manifolds](#)
 - [ℝ-manifold group \(Lie groups\)](#)
 - [Discrete subgroups of Lie groups](#)
 - [Discrete normal subgroups of Lie groups](#)

And it has 1 siblings.

- [structures based on sets](#)
 - [manifolds](#)
 - [ℝ-manifold group \(Lie groups\)](#)
 - [Discrete subgroups of Lie groups](#)
 - [Discrete normal subgroups of Lie groups](#)