

# Gromov–Hausdorff distance between clouds of special type

Calculating distance to cloud of bounded metric spaces

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# Gromov–Hausdorff distance

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# Clouds

The Gromov–Hausdorff distance is a generalized pseudometric on the class of all metric spaces.

Example:  $d_{GH}(\Delta_1, \mathbb{R}) = \infty$ .

**Clouds**: all metric spaces that are at a finite distance from each other.  $[X]$  — cloud containing  $X$ .