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[https://en.wikipedia.org/wiki/Cauchy\\_filter#Cauchy\\_filters](https://en.wikipedia.org/wiki/Cauchy_filter#Cauchy_filters)

[https://en.wikipedia.org/wiki/Uniform\\_space](https://en.wikipedia.org/wiki/Uniform_space) “Hausdorff completion of a uniform space” here)

<http://at.yorku.ca/z/a/a/b/13.htm> : the category **Prox** of proximity spaces and proximally continuous maps (i.e. maps preserving nearness between two sets) is isomorphic to the category of totally bounded uniform spaces (and uniformly continuous maps).

[https://en.wikipedia.org/wiki/Cauchy\\_space](https://en.wikipedia.org/wiki/Cauchy_space) <http://ncatlab.org/nlab/show/Cauchy+space>

<http://arxiv.org/abs/1309.1748>

[http://projecteuclid.org/download/pdf\\_1/euclid.pja/1195521991](http://projecteuclid.org/download/pdf_1/euclid.pja/1195521991)

[http://www.emis.de/journals/HOA/IJMMS/Volume5\\_3/404620.pdf](http://www.emis.de/journals/HOA/IJMMS/Volume5_3/404620.pdf)

[~/math/books/Cauchy\\_spaces.pdf](#)

## Bibliography

- [1] Victor Porton. *Algebraic General Topology. Volume 1.* 2013.