

Cartan, Henri

Filters and ultrafilters. (Filtres et ultrafiltres.) (French) Zbl 0018.00302
C. R. Acad. Sci., Paris 205, 777-779 (1937).

This is a sequel to an earlier note on “filters” [C. R. Acad. Sci., Paris 205, 595–598 (1937; Zbl 0017.24305)]. The author characterizes compact spaces in terms of filters – a necessary and sufficient for compactness is that every “ultrafilter” be convergent. He characterizes continuous maps in terms of filters also.

Reviewer: [Garrett Birkhoff](#) (Cambridge, MA)

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MSC:

54-XX General topology

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