

Ultrafilters

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Ultrafilters

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An ultrafilter
is a filter, a finer
filter there is not.

An ultrafilter
can be made at one fell swoop
using Zorn's Lemma.

An ultrafilter
can be made step-wise along
a well-ordering.

An ultrafilter
if free won't let itself be
measured Lebesgue-wise.

An ultrafilter
if free does not possess the
property of Baire.

An ultrafilter
if it points out a hole it
will fill it itself.

An ultrafilter
converges to itself in
the beta of \mathbb{N} .

An ultrafilter
separates complements in
a coherent way.

Les ultrafiltres:
une famille privilégiée,
wrote Henri Cartan.