

On statistical type convergence in uniform spaces

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Abstract: The concepts of \mathcal{F} -convergence and \mathcal{F} -fundamentality are introduced in uniform spaces, generated by some filter \mathcal{F} . Its equivalence to the concept of \mathcal{F} -convergence in uniform spaces is proved. This convergence generalizes many kinds of convergence, including the well-known statistical convergence.

Keywords: F -convergence, F -fundamentality, statistical convergence, a uniform space

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