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## *Classifications and characterizations of Baire-1 functions*

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**Abstract:** Kechris and Louveau in [5] classified the bounded Baire-1 functions, which are defined on a compact metric space $K$, to the subclasses $\mathcal{B}_1^\xi(K)$, $\xi < \omega_1$. In [8], for every ordinal $\xi < \omega_1$ we define a new type of convergence for sequences of real-valued functions ($\xi$-uniformly pointwise) which is between uniform and pointwise convergence. In this paper using this type of convergence we obtain a classification of pointwise convergent sequences of continuous real-valued functions defined on a compact metric space $K$, and also we give a characterization of the classes $\mathcal{B}_1^\xi(K)$, $1 \leq \xi < \omega_1$.

**Keywords:** Baire-1 functions, convergence index, oscillation index, trees
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