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*On entropy-like functionals and codes for metrized probability spaces II*

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**Abstract:** In Part I, we have proved characterization theorems for entropy-like functionals  $\delta$ ,  $\lambda$ ,  $E$ ,  $\Delta$  and  $\Lambda$  restricted to the class consisting of all finite spaces  $P \in \mathfrak{M}$ , the class of all semimetric spaces equipped with a bounded measure. These theorems are now extended to the case of  $\delta$ ,  $\lambda$  and  $E$  defined on the whole of  $\mathfrak{M}$ , and of  $\Delta$  and  $\Lambda$  restricted to a certain fairly wide subclass of  $\mathfrak{M}$ .

**Keywords:** regular code, dyadic expansion, entropy

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