**Djabbarov Gayratbay Farxadovich
Email:****gayrat\_77@bk.ru**

**Triples of infinite iterates of convex subfunctors on functor of the positively homogeneous functionals**

Абстракт
The present paper is devoted to study of the space of all weakly
additive, order-preserving, normalized and positively-homogeneous
functionals on a metric compactum. We construct an analogue of the
modified Kantorovich--Rubinstein metric on the space \(OH(X)\) of
all weakly additive, order-preserving, normalized and
positively-homogeneous functionals on a metric compactum \(X.\) We
investigate under what conditions subfunctors of the functor
\(OH\) will be perfectly metrizable.
We
prove that under natural assumptions on \(X\) the triple
\((\mathcal{F}^\omega\_+(X), \mathcal{F}^{++}\_+(X),
\mathcal{F}^+\_+(X))\) is homeomorphic to the triple \((Q,s,
\textrm{rint}\, Q),\) where \(\mathcal{F}\) is a convex subfunctor
of the functor \(OH\_+.\)

**Tashkent,**

**Uzbekistan**