1113-46-88 **Malgorzata Marta Czerwinska***, m.czerwinska@unf.edu, and **Anna Kaminska**, kaminska@memphis.edu. *Banach envelopes in symmetric spaces of measurable operators.*

Let $\mathcal{M}$ be a non-atomic, semifinite von Neumann algebra with a faithful, normal, σ-finite trace τ and E be a quasi-normed symmetric function space on $[0,\tau(1))$. The quasi-normed space $E(\mathcal{M},\tau)$ of τ-measurable operators consists of all τ-measurable operators x for which the singular value function $\mu(x)$ belongs to E and is equipped with the quasi-norm $\|x\|_{E(\mathcal{M},\tau)} = \|\mu(x)\|_E$.

We show that the Banach envelope $E(\mathcal{M},\tau)\hat{}$ of $E(\mathcal{M},\tau)$ is equal to $\widehat{E}(\mathcal{M},\tau)$, where $\widehat{E}$ is a Banach envelope of a quasi-normed symmetric function space E. The analogous result follows for the unitary matrix spaces. It is a joint work with Anna Kamińska from the University of Memphis. (Received August 13, 2015)