1138-46-161   **Donghai Ji** and **Khazhak Varazdat Navoyan*** (`knavoyan@go.olemiss.edu`), 125 Woodward Place, Oxford, MS 38655, and **Qingying Bu**. *Bases in the space of reguar multilinear operators on Banach lattices.*

For Banach lattices $E_1, \cdots, E_m$ and F with 1-unconditional bases, we show that the monomial sequence forms a 1-unconditional basis of $\mathcal{L}^r(E_1, \cdots, E_m; F)$, the Banach lattice of all regular m-linear operators from $E_1 \times \cdots \times E_m$ to F, if and only if each basis of $E_1, \cdots, E_m$ is shrinking and every positive m-linear operator from $E_1 \times \cdots \times E_m$ to F is weakly sequentially continuous. As a consequence, we obtain necessary and sufficient conditions for which the m-fold Fremlin projective tensor product $E_1 \hat{\otimes}_{|\pi|} \cdots \hat{\otimes}_{|\pi|} E_m$ (resp. the m-fold positive injective tensor product $E_1 \check{\otimes}_{|\epsilon|} \cdots \check{\otimes}_{|\epsilon|} E_m$) has a shrinking basis or a boundedly complete basis. (Received February 08, 2018)