

On Krasnosels'kii type fixed point theorems and their applications

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Abstract: A nice combination of the well-known Banach fixed point theorem for self-contraction map and the Schauder fixed point theorem for compact and continuous map yields the classical Krasnosel'skii fixed point theorem. In this talk, we report various developments of the Krasnosel'skii type fixed point theorem as well as their applications in integral, differential and difference equations etc.