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ON $\mathcal{I}$- STATISTICAL CONVERGENT DIFFERENCE SEQUENCE SPACES IN GNLS

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Abstract. This article is devoted to study of $\mathcal{I}$-st convergent, $\mathcal{I}$-st null, $\mathcal{I}$-st bounded, bounded $\mathcal{I}$-st convergent and bounded $\mathcal{I}$-st null difference sequence spaces in gradual normed linear space $(U, \|\cdot\|_G)$, denoted by $c^{G\mathcal{I}(S)}(\Delta), c_0^{G\mathcal{I}(S)}(\Delta), \ell_\infty^{G\mathcal{I}(S)}(\Delta), m^{G\mathcal{I}(S)}(\Delta)$ and $m_0^{G\mathcal{I}(S)}(\Delta)$ respectively. We established some algebraic and topological properties of these classes. Also we studied some inclusions involving these classes.

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