

***I*-CONVERGENT SEQUENCE SPACES ASSOCIATED WITH MULTIPLIER SEQUENCES**

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Abstract. In this article we introduce the sequence spaces $c^I(\Lambda)$, $c_0^I(\Lambda)$, $m^I(\Lambda)$ and $m_0^I(\Lambda)$ associated with the multiplier sequence $\Lambda = (\lambda_k)$ of non-zero scalars. We study the different algebraic and topological properties of these sequence spaces like solidness, symmetricity, sequence algebra, convergence free etc. Also we characterize the multiplier problem and obtain some inclusion relation involving these sequence spaces.

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