(\(i,j\))-\(m\)-ITERATE STRUCTURES AND (\(i,j\))MIT-CONTINUITY

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Abstract. We introduce the notion of (\(i,j\))\(m\)IT-open sets determined by operators \(m^\_\text{Int}\) and \(m^\_\text{Cl}\) \((i = 1, 2)\) on a bi-\(m\)-space \((X, m^\_X, m^\_X')\). By using \((i,j)\)MIT-open sets, we introduce and investigate a function \(f : (X, m^\_X, m^\_X') \rightarrow (Y, m^\_Y, m^\_Y')\) called (\(i,j\))MIT-continuous. As special cases of (\(i,j\))MIT-continuous functions, we obtain (\(i,j\))-\(m\)-precontinuous [5], \(M^{(i,j)}\)-\(A\)-continuous [3] and \(M^{(i,j)}\)-\(\beta\)-continuous [29].

References


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