

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

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ABSTRACT. We introduce the notion of (i, j) MIT-open sets determined by operators m_X^i -Int and m_X^i -Cl ($i = 1, 2$) on a bi- m -space (X, m_X^1, m_X^2) . By using (i, j) MIT-open sets, we introduce and investigate a function $f : (X, m_X^1, m_X^2) \rightarrow (Y, m_Y^1, m_Y^2)$ called (i, j) MIT-continuous. As special cases of (i, j) MIT-continuous functions, we obtain (i, j) - m -precontinuity [5], $\mathcal{M}_A^{(i,j)}$ -continuity [3] and $M_\beta^{(i,j)}$ -continuity [29].

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