

An Integreated Intuitionistic Fuzzy ELECTRE Model for Multi-Criteria Decision-Making

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Abstract : The aim of this study is to develop and describe a new methodology for the Multi-Criteria Decision-Making (MCDM) problem using IFE (Elimination Et Choix Traduisant La Realite (ELECTRE) model. The proposed models enable Decision-Makers (DMs) on the assessment and use Intuitionistic Fuzzy Numbers (IFN). A numerical example is provided to demonstrate and clarify the proposed analysis procedure. Also, an empirical experiment is conducted to validation the effectiveness.

Keywords : multi-criteria decision-making, IFE, DM's, fuzzy electre model

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