

ENERGY LOSSES EVALUATION USING A METHOD BASED ON CLUSTERING AND FUZZY TECHNIQUES

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Abstract. The paper presents an improved fuzzy method, based on the clustering techniques, for energy losses evaluation of distribution feeders. This method uses the installed power and loading level of feeders as fuzzy numbers, thing that reflects better the uncertainty from the distribution networks and it can be applied for different distribution network.

Key words: energy losses; electric distribution networks; clustering techniques; fuzzy techniques.