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THE DETERMINATION OF THE CHARACTERISTICS AND THE EVALUATION OF THE POWER LOSSES IN THE INDUCTION MACHINES COUPLED WITH CONVERTERS

BY

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Abstract. The presence of the superior harmonics in the tension and the current supplied by converters, represent the main disadvantage of the process of feeding the induction machine from converters. The paper presents the determination of the characteristics and the analysis of the power losses of the induction machine fed by a converter in comparison with the power losses from the induction machine fed from the sine wave power source.

Keywords: characteristic, loss, induction motor, converter.