

Study of the Protection of Induction Motors

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Abstract : In this paper, we present a mathematical model dedicated to the simulation breaks bars in a three-phase cage induction motor. This model is based on a mesh circuit representing the rotor cage. The tested simulation allowed us to demonstrate the effectiveness of this model to describe the behavior of the machine in a healthy state, failure.

Keywords : AC motors, squirrel cage, diagnostics, MATLAB, SIMULINK

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