

Method of the Parameters Determination of the Asynchronous Motor

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Abstract — in this paper is proposed a method for calculating the parameters of an induction motor that determine three points of a mechanical characteristic-nominal, critical and starting. Comparison of the results of the proposed methodology with existing ones is given. Also is proposed to consider modifying the rotor parameters of an asynchronous motor during the start-up. The method gives the required values of the starting, critical and nominal moments.
Keywords — asynchronous motor; mechanical characteristic; initial starting current; initial starting moment

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