

Plagio detectado: 90.91%

Texto original: In this article, we propose a comparative analysis between previous approaches and the one using fuzzy logic.

Texto plagiado: In this article, we propose a comparative analysis between previous approaches and the one using fuzzy logic.

Texto original: This article examines a solution to the major problems of induction machine control in order to achieve superior dynamic performance.

Texto plagiado: This article examines a solution to the major problems of induction machine control in order to achieve superior dynamic performance.

Texto original: Conventional direct torque control and indirect control with flux orientation have some drawbacks, such as current harmonics, torque ripples, flux ripples, and rise time.

Texto plagiado: Conventional direct torque control and indirect control with flux orientation have some drawbacks, such as current harmonics, torque ripples, flux ripples, and rise time.

Texto original: The demonstrated improvements in dynamic performance contribute to increased operational efficiency and reliability in industrial applications.

Texto plagiado: The demonstrated improvements in dynamic performance contribute to increased operational efficiency and reliability in industrial applications.

Texto original: Results from the simulation show that the direct torque control method using fuzzy logic is more effective in providing a precise and fast response without overshooting, and it eliminates torque and flux fluctuations at low switching frequencies.

Texto plagiado: Results from the simulation show that the direct torque control method using fuzzy logic is more effective in providing a precise and fast response without overshooting, and it eliminates torque and flux fluctuations at low switching frequencies.