عنوان مقاله:

Nonlinear F eedback Control for Linear Induction Motor Using A Speed Insensitive Sliding-Mode State Observer

محل انتشار:

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خلاصه مقاله:

The paper presents a control scheme for, a linear induction motor based on ct mathematical model of the motor. The implemented algorithm uses a non-linear feedback action for decoupling position and secondary Jlux controls. In order to reduce tlze control sensitivity to parameters uncertainties and model simpliJications, the possibility to add sliding-mode controllers for position qnd secondary flux has been taken into ctccount by the paper. Furthermore, the .secondary flux has been estitnated by means of a slicling-mode speed s ensor less s tate observer

کلمات کلیدی:

Linear induction motor, Non-linear feedback, Sliding-Mode control