

## عنوان مقاله:

a Simple Speed Control Technique and Pulsating Torque Elimination Method in a Brushless Dc Motor

## محل انتشار:

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## خلاصه مقاله:

This paper presents a theoretical derivation and computer simulation of an optimal speed controller for a brushless dc motor using feedback from a linear model running in parallel with the inverter-fed model. The intent of the feedback from the linear model is to eliminate torque ripples from the inverter drive. A nonlinear model of such a motor, transformed into a linear model by a local diffeomorphism (defined in section ۲) and a new model is introduced in order to eliminate the undesirable effects of the inverter harmonics.

## کلمات کلیدی:

speed control, Pulsating Torque, Brushless DC Motor

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1415539>

