

عنوان مقاله:

A Design Package for Single Tooth per Stator Pole Switched Reluctance Motors

محل انتشار:

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خلاصه مقاله:

A design package is developed for a single-tooth per stator pole switched reluctance motor, $6/4$. The rather simple assumed flux path method is used to estimate the unaligned permeance including the leakage permeances and the effects of shallow slot and tooth taper. The possibility of making rotor tooth width greater than stator tooth width is examined using the developed package. The result appeared to show that the consequent loss of static torque is minimal. This means that it might be possible to improve dynamic performance by incorporating this design feature

کلمات کلیدی:

Switched Reluctance Motors, Design, CAD, Electrical, Machine Design, performance, Magnetic Circuit Approach

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