注入直流電之單相感應馬達動態煞車之研究

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摘 要

本文主要目的在於分析單相感應電動機注入直流電之動態車，首先進行單相感應馬達2D的磁場分析，分析項目有磁力線分佈、磁通密度分佈、磁場強度分佈等三個項目，再由自製電控箱控制馬達正逆轉、放電及注入直流電等，電控箱主要控制元件是由可程式控制器執行馬達的控制。接著；再利用馬達動力計量測馬達特性曲線，單相感應馬達進行完整分析後再注入直流電，利用示波器量測馬達的動態煞車電壓、電流及放電波形。

關鍵詞 : 動態煞車

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