

## ERRATA

Regarding the article “A modified direct torque control for induction motor drives” by Nouri Belhaouchet, Hichem Hamla and Lazhar Rahmani, published in issue 1/2018, the figures 1, 4, 14, and table 2 will be replaced by the following corresponding figures:

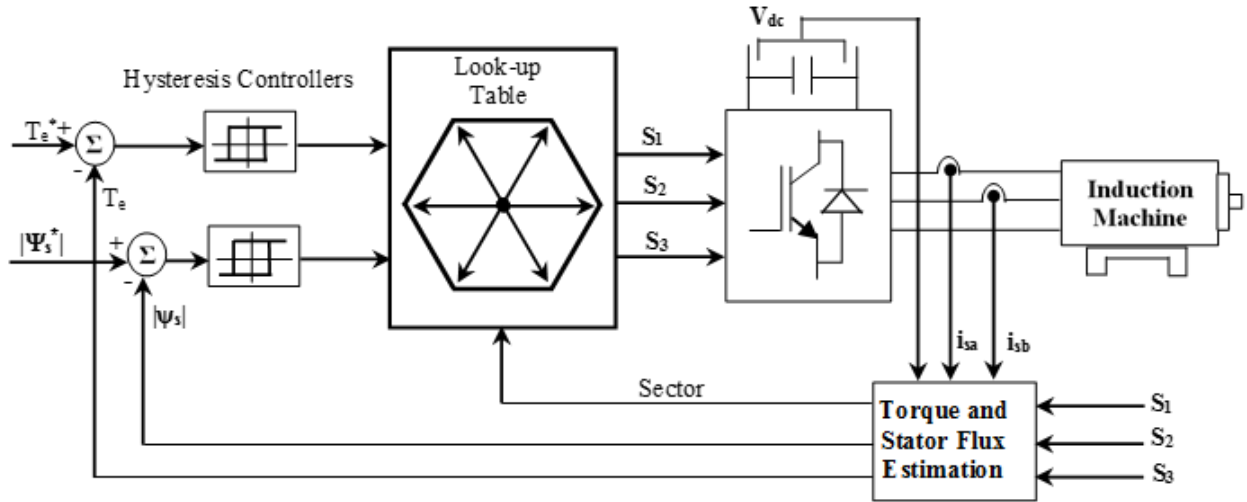


Fig. 1 – Block diagram of basic DTC scheme.

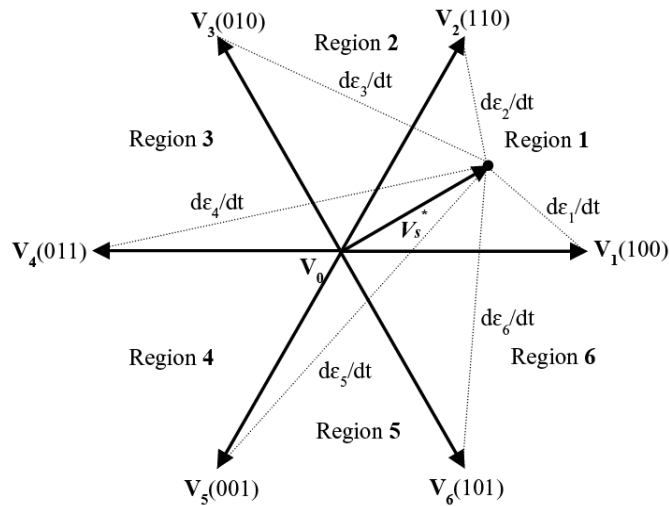


Fig. 4 – Derivative vectors of current error in region 1.

Table 2

Parameters of the induction motor

Ratings	Y/Δ 380/220 V, 2.2 /3.8 A, 50 Hz, 1kW, cosφ=0.83, 2880 rpm
Stator resistance $R_s$ (Ω)	5.65
Rotor resistance $R_r$ (Ω)	4.32
Mutual inductance $L_m$ (mH)	725
Stator inductance $L_s$ (mH)	737
Stator leakage inductance $L_{ls}$ (mH)	12
Rotor inductance $L_r$ (mH)	737
Inertia $J$ (kg.m <sup>2</sup> )	0.0027
Friction coefficient $f$ (Nm.s/rd)	0.00258

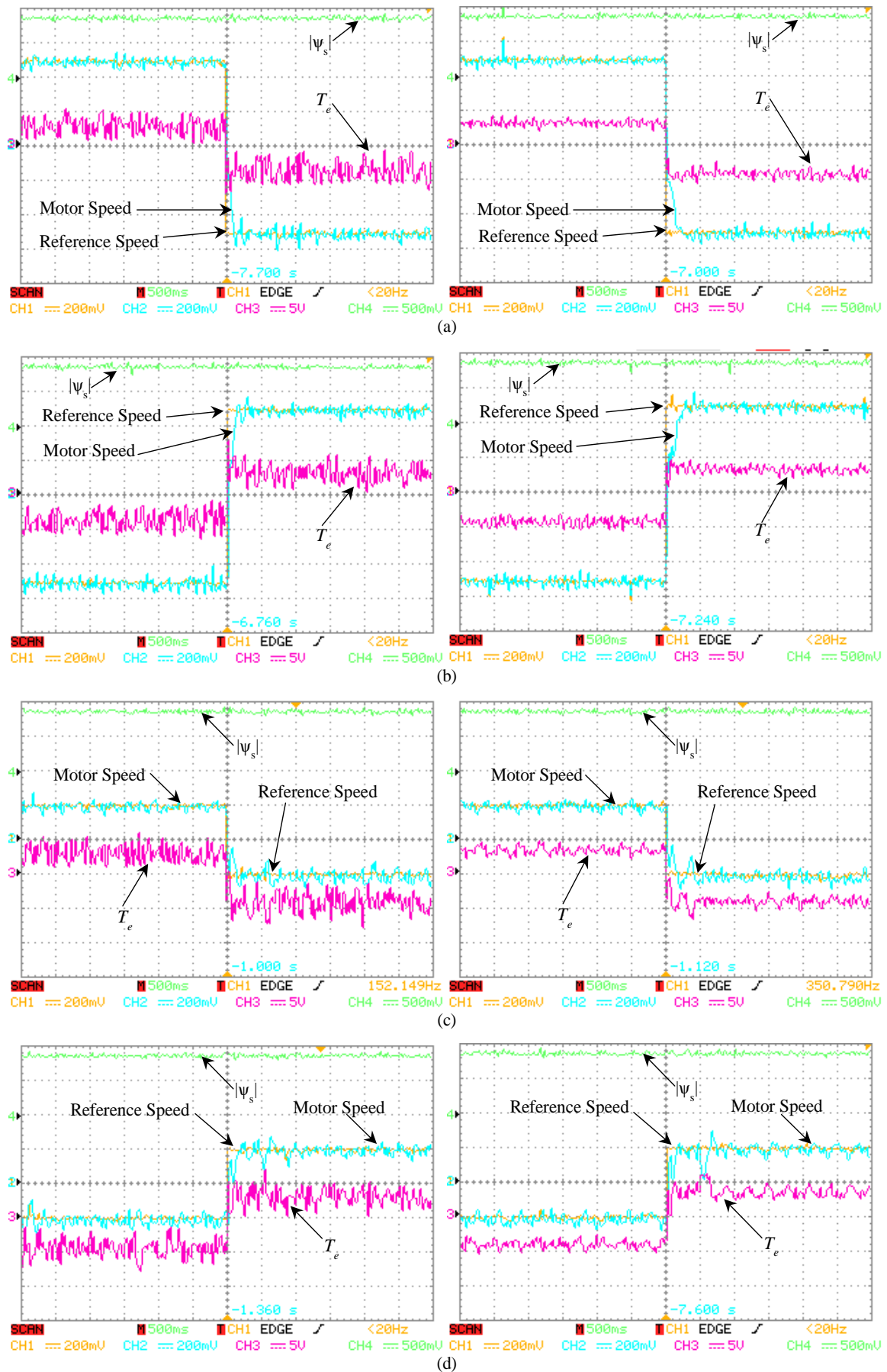


Fig. 14 – Experimental results during speed reversal operation: (Left) Conventional DTC and (Right) Proposed DTC based on combination of HC and SVM, (CHANNEL 1) reference speed [200 rpm/div], (CHANNEL 2) motor speed [200 rpm/div], (CHANNEL 3) estimated electromagnetic torque [5 Nm/div], (CHANNEL 4) estimated stator flux magnitude [0.5 Wb/div]: a) from +500 rpm to -500 rpm; b) from -500 rpm to +500 rpm, (c) from +200 rpm to -200 rpm and (d) from -200 rpm to +200 rpm.

