

# Errata

Doctoral Dissertation:  
“An Adaptive Observer With Signal Injection for  
Interior Permanent Magnet Synchronous Motors”  
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Antti Piippo

Page	Location	Erroneous item	Correct item
14	$\lambda$	Observer gain	Observer gain matrix
14	$\psi_s$	Stator flux in the rotor reference frame	Stator flux vector in the rotor reference frame
20	Before equation (2.2)	The stator flux linkage is	The stator flux linkage vector is
29	After equation (3.4)	in the rotor reference frame	in the estimated rotor reference frame
29	Before equation (3.7)	Transforming (3.6) to the rotor reference frame	Transforming (3.6) to the estimated rotor reference frame
42	Equation (3.50b)	$+\mathbf{L}_s^{-1}(\hat{\boldsymbol{\psi}}_s - \boldsymbol{\psi}_{pm})$	$-\mathbf{L}_s^{-1}(\hat{\boldsymbol{\psi}}_s - \boldsymbol{\psi}_{pm})$
47	Equation (3.62)	$i_{cd} = i'_d + \gamma i'_q$	$i_{cd} = \gamma i'_d + i'_q$
48	Equation (3.63)	$\gamma = -\frac{i'_d}{i'_q}$	$\gamma = -\frac{i'_q}{i'_d}$