ERRATA

HYDRAULIC POWER STEERING SYSTEM DESIGN IN ROAD VEHICLES
ANALYSIS, TESTING AND ENHANCED FUNCTIONALITY

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Page 55, Figure 4.5: Changed figure label to: "Block diagram of the power steering system, open loop system is outlined by the dashed line.”

Equation 4.9, 4.11 4.14: Changed \( x_p \) to \( x_r \)

page 56: "...rack position, \( x_p \) and the flow delivered..." should say "...rack position, \( x_r \) and the flow delivered..."

page 61: "... the transfer function, \( G_o(s) = x_p/x_v... ") should say: "... the transfer function, \( G_o(s) = x_r/x_v... "

page 88, Equation 5.1: should say:

\[
G_x(s) = \frac{K_x}{s(\frac{1}{\tau}+1)}
\]

Page 162, Figure 2: Changed \( \alpha_{sw} \) to \( \alpha_{sc} \) and \( \alpha_{rack} \) to \( \alpha_R \) to match the nomenclature and following equations

Page 14, Equation 8: Changed to:

\[
T_{driver} = I_{sc}\dot{\alpha}_{sc} + B_{sc}\ddot{\alpha}_{sc} + C_{tor}(\alpha_{sc} - \alpha_R)
\]

Page 186, Figure 2: Changed \( \alpha_{sw} \) to \( \alpha_{sc} \) and \( \alpha_{rack} \) to \( \alpha_p \) to match the nomenclature and following equations

Page 203, Figure 3: Changed Figure label to: "Working envelope of the Active Pinion. Solid black line represent the static characteristic of a traditional HPAS, gray area indicate the working envelope of the Active Pinion."

Page 204, Figure 5: Changed Figure label to: "Parking maneuver, position control of the power steering unit."