IEEE Standard Test Procedure for Polyphase Induction Motors and Generators

Sponsor
Electric Machines Committee
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Correction Sheet
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In Equation (32) the “m” should be replaced with “±.” The equation should read as follows:

\[ V_2 = \{ [V_1 - I_1 X_1 \sin \theta_1 \pm R_1 \cos \theta_1]^2 + [I_1 X_1 \cos \theta_1 \mp R_1 \sin \theta_1]^2 \} \]

(32)

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In Equation (33) the “m” should be replaced with “±.” The equation should read as follows:

\[ \theta_2 = \arctan \frac{I_1 (X_1 \cos \theta_1 \mp R_1 \sin \theta_1)}{V_1 - I_1 (X_1 \sin \theta_1 \pm R_1 \cos \theta_1)} \]

(33)

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In Equation (38) the “m” should be replaced with “±.” The equation should read as follows:

\[ I_2 = \left[ (I_1 \cos \theta_1 + I_e \sin \theta_2 \mp I_f \cos \theta_2)^2 + (I_1 \sin \theta_1 - I_e \cos \theta_2 \pm I_f \sin \theta_2)^2 \right]^{\frac{1}{2}} \]

(38)

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In Equation (47) the “m” should be replaced with “±.” The equation should read as follows:

\[ V_2 = \left\{ [V_1 - I_1 (X_1 \sin \theta_1 \pm R_1 \cos \theta_1)]^2 + [I_1 (X_1 \cos \theta_1 \mp R_1 \sin \theta_1)]^2 \right\}^{\frac{1}{2}} \]

(47)

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In item (28), the “[(29)/(9)*]” should be removed. The line should read as follow:

(28) Is equal to [(14)-(27)-(15)]