

IEEE Std 112-1996

Revision of IEEE Std 112-1991)

IEEE Standard Test Procedure for Polyphase Induction Motors and Generators

Sponsor

Electric Machines Committee
of the
IEEE Power Engineering Society

Correction Sheet Issued 20 January 1998

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In Equation (32) the "m" should be replaced with " \mp ." 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 "\(\pi\)." 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 "\u03c4"." The equation should read as follows:

$$I_{2} = \left[\left(I_{1} \cos \theta_{1} + I_{e} \sin \theta_{2} \mp I_{fe} \cos \theta_{2} \right)^{2} + \left(I_{1} \sin \theta_{1} - I_{e} \cos \theta_{2} \pm I_{fe} \sin \theta_{2} \right)^{2} \right]^{\frac{1}{2}}$$
(38)

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In Equation (47) the "m" should be replaced with " \pm ." The equation should read as follows:

$$V_{2} = \left\{ \left[V_{1} - I_{1} (X_{1} \sin \theta_{1} \pm R_{1} \cos \theta_{1}) \right]^{2} + \left[I_{1} (X_{1} \cos \theta_{1} \mp R_{1} \sin \theta_{1})^{2} \right]^{1} \right\}$$
(47)

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In item (28), the " $[(29)/(9)^{\bullet}$ " should be removed. The line should read as follow:

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

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