Errata to
IEEE Recommended Practice for Establishing Transformer Capability When Supplying Nonsinusoidal Load Currents

Sponsor

Transformers Committee

of the

IEEE Power Engineering Society

Correction Sheet
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Table 2 on page 7 should be replaced with the following table:

h	$\dfrac{I_h}{I}$	$\left(\dfrac{I_h}{I}\right)^2$	h^2	$\left(\dfrac{I_h}{I}\right)^2 h^2$
1	0.978	0.9560	1	0.956
5	0.171	0.0292	25	0.731
7	0.108	0.0117	49	0.572
11	0.044	0.0019	121	0.234
13	0.028	0.00078	169	0.133
17	0.015	0.00022	289	0.065
19	0.0098	0.00010	361	0.035
Σ	—	1.000	—	2.725

Page 8, the following equation is incorrect: $F_{HL} = \dfrac{2.726}{1.000} = 2.726$

It should read as follows: $F_{HL} = \dfrac{2.725}{1.000} = 2.725$

Table 2 on page 8 should be replaced with the following table:

h	$\dfrac{I_h}{I_1}$	$\left(\dfrac{I_h}{I_1}\right)^2$	h^2	$\left(\dfrac{I_h}{I_1}\right)^2 h^2$
1	1.000	1.0000	1	1.0000
5	0.175	0.0306	25	0.7646
7	0.110	0.0122	49	0.5982
11	0.045	0.0020	121	0.2451
13	0.029	0.0008	169	0.1386
17	0.015	0.0002	289	0.0680
19	0.010	0.0001	361	0.0363
Σ	—	1.0460	—	2.8508

Pg 9, the following equation is incorrect: $F_{HL} = \dfrac{2.726}{1.000} = \dfrac{2.8494}{1.0459} = 2.726$

It should read as follows:

$$F_{HL} = \frac{2.725}{1.000} = \frac{2.8508}{1.0460} = 2.725$$

Table 1 on page 9 should be replaced with the following table:

h	$\dfrac{I_h}{I_1}$	$\left(\dfrac{I_h}{I_1}\right)^2$	$h^{0.8}$	$\left(\dfrac{I_h}{I_1}\right)^2 h^{0.8}$
1	1.000	1.0000	1.0000	1.00000
5	0.175	0.0306	3.6239	0.11084
7	0.110	0.0122	4.7433	0.05790
11	0.045	0.0020	6.8095	0.01379
13	0.029	0.0008	7.7831	0.00638
17	0.015	0.0002	9.6463	0.00227
19	0.010	0.0001	10.5439	0.00106
Σ	—	1.0460	—	1.1922

Pg 9,the following equation is incorrect: $F_{HR-STR} = \dfrac{1.1919}{1.0459} = 1.140$

It should read as follows:

$$F_{HR-STR} = \frac{1.1922}{1.0460} = 1.140$$