CORRECTION TO
'ON THE ORDER OF MAXIMUM ERROR OF THE FINITE DIFFERENCE SOLUTIONS TO LAPLACE'S EQUATION ON RECTANGLES'

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This note seeks to correct a recent paper [1].

Pages 65 (4.25) and 66 (4.30): $|Bu - u\|_P$ on the left-hand side of each inequality should be $|Bu - u|(P)$.

Page 65 (4.26): $(Bu - u)|_P$ on the left-hand side of the equation should be $(Bu - u)(P)$.

Page 69: the formula given for $\mathfrak{R}_n$ is incorrect. The correct formula is

$$\mathfrak{R}_n = \frac{\max_{\Pi^h} \left| u_{2^{-(n-1)}} - u \right|}{\max_{\Pi^h} \left| u_{2^{-n}} - u \right|}.$$

Page 72: Table 5 was printed with misaligned headings and should be as follows.

TABLE 5. $\mathfrak{R}_n$ for Problem 6.2.

h^{-1}	Five-point	Nine-point	"Five and nine"-point
16	2.891 318 43	3.678 367 20	3.460 063 10
32	3.612 691 39	3.979 146 10	4.003 971 85
64	3.760 224 96	3.998 684 04	4.000 926 59
128	3.880 945 91	3.999 917 56	4.000 034 47
256	3.939 982 20	3.999 994 83	4.000 001 25

Reference

[1] A. A. Dosiyev and S. Cival Buranay, "On the order of maximum error of the finite difference solutions of Laplace's equation on rectangles", *ANZIAM J.* **50** (2008) 59–73.