



---

Soviet-era science, translated into English

# Correction

| | Printed | Should read |

1958

SovietRxiv

---

View the original and related papers at <https://sovietrxiv.org/items/ru-195801.40937>

Source: Math-Net.Ru and CyberLeninka. Machine translation. Verify with the original.

**Abstract**

**Full Text**

**Correction**

In the article by I. I. Ogiyevetsky, “On the theory of fractional differentiation and integration of periodic functions belonging to the class  $L_p$ ,  $p > 1$ ,” published in *DAN*, vol. 118, no. 3, 1958.

	Printed	Should read
p. 444, line 6 from below	$O(1 - n^{1-\alpha})$	$O(1/n^{1-\alpha})$
p. 445, line 10	$0 < 1 + \beta - \gamma < 1$	$0 < 1 + \beta + \delta - \gamma < 1$
p. 445, line 18	$(f_\gamma)_\delta \subset$ $\text{Lip}(1 - \beta - \gamma - \delta, p)$	$(f^\gamma)_\delta \subset$ $\text{Lip}(1 - \beta - \gamma + \delta, p)$
p. 445, line 20	$\alpha + \beta - \frac{1}{p} - \frac{p}{p'} = 1$	$\alpha + \beta - \frac{1}{p} + \frac{1}{p'} = 1$
p. 446, line 21	$f_\beta(x) \subset$ $\text{Lip}\left(1 + \beta - \frac{1}{p} - \frac{1}{p'}, p'\right)$	$f_\beta(x) \subset$ $\text{Lip}\left(1 + \beta - \frac{1}{p} + \frac{1}{p'}, p'\right)$
p. 446, line 23	$\beta = \frac{1}{p} + \frac{1}{p'}$	$\beta = \frac{1}{p} - \frac{1}{p'}$
p. 446, line 24	$\alpha - \gamma - \frac{1}{p} + \frac{1}{p'} = 0$	$\alpha - \gamma - \frac{1}{p} + \frac{1}{p'} > 0$

T-08899. Signed for printing 24 IX 1958. Print run 5400 copies. Order 844  
 Paper size  $70 \times 108^{1/16}$ . Paper sheets  $6^{3/4}$ . Printed sheets 18.5 + 6 inserts.  
 Publisher's sheets 18.7

2nd Printing House of the Publishing House of the Academy of Sciences of the USSR. Moscow, Shubinsky Lane, 10.

*Note: Figure translations are in progress. See original paper for figures.*

*Source: Math-Net.Ru and CyberLeninka. Machine translation. Verify with the original.*