

**CORRIGENDUM TO “A FUNCTIONAL EQUATION
CHARACTERIZING HOMOGRAPHIC FUNCTIONS”
[ANNALES MATHEMATICAE SILESIAE 24 (2010), 61–70]**

JANUSZ MATKOWSKI

I would like to thank Professor Janos Aczél for calling my attention on the following mistakes in my paper published in Annales Mathematicae Silesianae, 24 (2010), 61–70:

1. Page 63, line 8 from below – the term inside the square bracket should be

$$\left(\frac{1}{g(y)} - \frac{1}{g(x)}\right)z \quad \text{not} \quad \left(\frac{1}{g(x)} - \frac{1}{g(y)}\right)z;$$

2. Page 63, line 7 from below – there should be “Since the right side does not depend on x and y ...” instead of “Since the right side does not depend on z ...”;
3. Page 64, line 1 – “left” should stand instead of “right”;
4. Page 64 line 2 – in the formula (3) there should be

$$f(x) = \frac{ax + b}{cx + d}, \quad x \in X,$$

instead of

$$f(x) = \frac{ax + by}{cx + d}, \quad x \in X;$$

5. Page 64 line 5 from below – “a” is superfluous;

Received: 8.01.2012.

(2010) Mathematics Subject Classification: 39B22.

Key words and phrases: homographic function, functional equation.

6. Page 64 line 2 from below – “is” is missing;
7. Page 65 line 11 from below – there is “Theorem 1” instead of “Theorem”;
8. Page 69, line 4 there is “ a ” instead of “ x ”.

FACULTY OF MATHEMATICS
COMPUTER SCIENCE AND ECONOMETRIC
UNIVERSITY OF ZIELONA GÓRA
PODGÓRNA 50
65-246 ZIELONA GÓRA
POLAND
AND
INSTITUTE OF MATHEMATICS
SILESIA UNIVERSITY
BANKOWA 14
40-007 KATOWICE
POLAND