

ERRATUM, SEVERAL q -INTEGRAL INEQUALITIES

VALMIR KRASNIQI

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Theorem 1 (see [1]) is not valid for $\beta \geq 1$, it is valid for $\beta \geq 2$. Similarly, Theorem 2 in [1] is not valid for $\beta \geq 1$ it is valid for $\beta \geq 2$. In Theorem 3, the expression

$$\int_0^b f^\alpha(x) \cdot x^\beta d_q x = \frac{1}{[\beta]_q} \int_0^b f^\alpha(x) \left(\int_0^x u^{\beta-1} d_q u \right) d_q x$$

is not valid, it is valid

$$\int_0^b f^\alpha(x) \cdot x^\beta d_q x = [\beta]_q \int_0^b f^\alpha(x) \left(\int_0^x u^{\beta-1} d_q u \right) d_q x.$$

REFERENCES

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Valmir Krasniqi
Department of Mathematics
University of Prishtina
Prishtinë 10000
Republic of Kosova
e-mail: vali.99@hotmail.com

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