Correction to: A note on linear non-Newtonian Volterra integral equations

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Correction to: Mathematical Sciences
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Unfortunately, some of the corrections were missed in the original version and the corrections are as follows:

In Theorem 1, the highlighted text should be in italics

Theorem 1 *Let $f, g : [a, b] \rightarrow \mathbb{R}_\beta$ be $\ast$ -continuous. Then, the following statements hold:*

- (1) $\ast \int_a^b [\lambda \check{\times} f(x) \check{+} \mu \check{\times} g(x)] d^\ast x = \lambda \check{\times} \ast \int_a^b f(x) d^\ast x \check{+} \mu \check{\times} \ast \int_a^b g(x) d^\ast x$ for all $\lambda, \mu \in \mathbb{R}_\beta$,
- (2) $\ast \int_a^b f(x) d^\ast x = \ast \int_a^c f(x) d^\ast x \check{+} \ast \int_c^b f(x) d^\ast x$ for any $c \in [a, b]$,
- (3) *If $f(x) \check{\leq} g(x)$ for all $x \in [a, b]$, then $\ast \int_a^b f(x) d^\ast x \check{\leq} \ast \int_a^b g(x) d^\ast x$,*
- (4) *The function f is β -bounded on $[a, b]$,*

$$(5) \left| \ast \int_a^b f(x) d^\ast x \right| \check{\leq} \ast \int_a^b |f(x)|_\beta d^\ast x \quad [10, 15].$$

Remark 1 For $a \in A$, let $\bar{a} = \alpha^{-1}(a)$. Take f be a function with arguments in A and values in B , and let $\tilde{f}(t) = \beta^{-1}\{f(\alpha(t))\}$. Then the following relations occur:

In Theorem 9, the highlighted text should be in italics

Theorem 9 *Suppose that the following conditions are satisfied:*

- (i) *f is $\ast$ -continuous on $[\bar{0}, a]$,*
- (ii) *$K(x, s)$ is $\ast$ -continuous on $\bar{0} \check{\leq} s \check{\leq} x$ and $\bar{0} \check{\leq} x \check{\leq} a$.*

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