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which is precisely the reduced equation (7) in [2]. Also, with $y = 0$, the identity of the loop $(+)$, and writing $K(x, C(x, 0)) = \psi(x)$, from (23) we obtain

$$\psi(x) + z = K(x, C(x, z)) . \tag{24}$$

From (23) and (24) we see that

$$(\psi(x) + y) + z = \psi(x) + (y + z) ,$$

which shows that $\psi(x)$ belongs to the left nucleus of the loop $G, (+)$, [2].

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References

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