Errata to "FAST AND ACCURATE SIMULATION OF QUANTUM COMPUTING BY MULTI-PRECISION MPS: RECENT DEVELOPMENT"

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There were missing factors in two equations in a sentence in the 4th page of my paper "FAST AND ACCURATE SIMULATION OF QUANTUM COMPUTING BY MULTI-PRECISION MPS: RECENT DEVELOPMENT" submitted to the proceedings of the Summer Workshop on "Physics, Mathematics, And All That Quantum Jazz" (Kinki University, Higashi-Osaka, Japan, 7-9 August 2013).[1]

The sentence

"By writing the basis labels explicitly, we have
$|l(v_s)\rangle = \widetilde{Q_s}(i_s, v_{s-1}, v_s)|v_{s-1}\rangle|i_s\rangle$ and
$|r(v_s)\rangle = \widetilde{Q_{s+1}}(i_{s+1}, v_s, v_{s+1})|i_{s+1}\rangle|v_{s+1}\rangle$."

should be replaced with

"By writing the basis labels explicitly, we have
$|l(v_s)\rangle = V_{s-1}(v_{s-1})\widetilde{Q_s}(i_s, v_{s-1}, v_s)|v_{s-1}\rangle|i_s\rangle$ and
$|r(v_s)\rangle = \widetilde{Q_{s+1}}(i_{s+1}, v_s, v_{s+1})V_{s+1}(v_{s+1})|i_{s+1}\rangle|v_{s+1}\rangle$."

References

1. A. SaiToh, Fast and accurate simulation of quantum computing by multi-precision mps: recent development, submitted to Proc. Summer Workshop on "Physics, Mathematics, And All That Quantum Jazz" (Kinki University, Higashi-Osaka, Japan, 7-9 August 2013).

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