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Harmonic-Oscillator Phase Operators. •

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Equations (10) and (11) of this paper should read as follows:

$$(10) \qquad \|(U-\exp[i\varphi])|\Psi_N(\varphi)\rangle\|^2 = \|(U^\dagger-\exp[-i\varphi])|\Psi_N(\varphi)\rangle\|^2 - \frac{f^2(N+1)}{N+1} = \frac{1}{N+1}\left\{1+\sum_{n=1}^{N}[f(n)-1]^2\right\},$$

$$(11) \qquad \|(C-\cos\varphi)|\Psi_N(\varphi)\rangle\| = \tfrac{1}{2}\left\|\left[(U-\exp[i\varphi])+(U^\dagger-\exp[-i\varphi])\right]|\Psi_N(\varphi)\rangle\right\| \leqslant \|(U^\dagger-\exp[-i\varphi])|\Psi_N(\varphi)\rangle\| \xrightarrow[N\to\infty]{} 0 .$$

No part of the argument is affected by this change.