Erratum: Macroscopic quantum fluctuations in noise-sustained optical patterns

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During the production process, some typing errors were introduced in the paper.
i) On page 023813-2, three lines after Eq. (7), the linearized equations for the signal and pump fluctuations should be
\[ \delta A_i(x,t) = A_i(x,t) - A_i^{\text{ref}} \quad (i = 0,1), \]
and six lines after Eq. (7), perturbations have the form
\[ \exp[i \vec{k} \cdot x + \lambda(\vec{k}) t]. \]

(ii) Equation (10) should be
\[ e^{i\Phi_\pm} = \pm \frac{i\Delta_1 + 2i|\vec{k}|^2 \mp \sqrt{|A_0^\ast|^2 - (\Delta_1 + 2|\vec{k}|^2)^2}}{A_0^\ast}. \]

(iii) Equations (12) and (13) should be
\[ \begin{align*}
\partial_t \hat{A}_0(x,t) &= -\gamma_0 [1 + i\Delta_0 - ia_0 \nabla^2] \hat{A}_0(x,t) - \frac{g}{2} A_1^2(x,t) + E_0(x) + \hat{F}_0, \\
\partial_t \hat{A}_1(x,t) &= -\gamma_1 [1 + i\Delta_1 - ia_1 \nabla^2 - \partial_j] \hat{A}_1(x,t) + g \hat{A}_0(x,t) \hat{A}_1^\dagger(x,t) + \hat{F}_1,
\end{align*} \]

(iv) The drift term in the Hamiltonian on page 023813-4 should be
\[ i \gamma_1 v \hat{A}_1^\dagger(x) \partial_x \hat{A}_1(x). \]

(v) Equations (17) should be
\[ \partial_x \hat{A}_0(x,t) = -\gamma_0 [1 + i\Delta_0 - ia_0 \nabla^2] \hat{A}_0(x,t) - \frac{g}{2} \hat{A}_1^2(x,t) + E_0(x). \]

(vi) Equation (14) should read
\[ \langle \hat{F}_j(x,t) \hat{F}_j^\dagger(x',t') \rangle = 2\gamma_j \delta_{ij} \delta(x-x') \delta(t-t'). \]

(vii) Equation (15) should read
\[ \frac{\partial \hat{\rho}}{\partial t} = \frac{1}{i\hbar} [\hat{H}, \hat{\rho}] + \Lambda \hat{\rho}. \]

(viii) Also on page 023813-4, the Liouvillian should be
\[ \Lambda \hat{\rho} = \sum_{j=0,1} \int d^2x \gamma_j \{ [\hat{A}_j(x), \hat{\rho} \hat{A}_j^\dagger(x)] + [\hat{A}_j(x) \hat{\rho}, \hat{A}_j^\dagger(x)] \}. \]

(ix) In the first paragraph of page 023813-7 the variable $\Phi_\pm$ was wrongly quoted as $\Phi \pm$ and $\Phi \pm$. The correct sentence is:
"In fact, due to the symmetry $\omega(k) = -\omega(-k)$ we have $V_\pm(k, -k) = e^{i\Phi_\pm} \delta A_i^\ast(k) \mp \delta A_i^\ast(-k)$, so that the relative phase $e^{i\Phi_\pm}$ between \ldots \"