Erratum: Quantum Hydrodynamics of a Bose Fluid: ac Josephson Effect in Superfluid Helium*

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The expression for the Josephson current, Eq. (32), should be replaced by

$$j_{AB} = \mathbf{q} \cdot (\hbar/m) \nabla \rho_A \sin(\mu_{AB}/\hbar)t$$

where ρ is the mass density at A . The temperature range at which this current should be observable is given by $\lambda_T \gg \xi_c$, where λ_T is the thermal wavelength and ξ_c is the coherence length. Both the Ginzburg-Pitaevskii [*Sov. Phys.—JETP* **7**, 858 (1958)] and Mamaladze [*Sov. Phys.—JETP* **25**, 479 (1967)] estimates of ξ_c give the temperature T as $T \ll 1$ K.

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