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Semiclassical limit of Gross-Pitaevskii equation with Dirichlet boundary condition. (English)
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MSC:
35Q40 PDEs in connection with quantum mechanics
35Q55 NLS equations (nonlinear Schrödinger equations)
35Q31 Euler equations
76N10 Existence, uniqueness, and regularity theory for compressible fluids and gas dynamics
35B40 Asymptotic behavior of solutions to PDEs
35B65 Smoothness and regularity of solutions to PDEs

Keywords:
semiclassical limit; Schrödinger equation; boundary layer; successive complementary expansion method

Full Text: DOI

References:


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