

1050-81-153

Israel Michael Sigal* (imsigal@math.ias.edu), Institute for Advance Study, School of Mathematics, Princeton, NJ 08540. *Mean-field limit of quantum systems of many bosons.*

In this talk I will review recent results on the mean-field limit of the quantum systems of many boson particles. In particular I will discuss derivation of Hartree and Hartree-Fock-Bogolubov equations. (Received March 03, 2009)