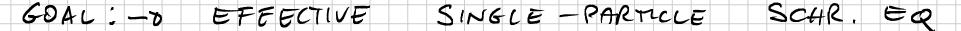
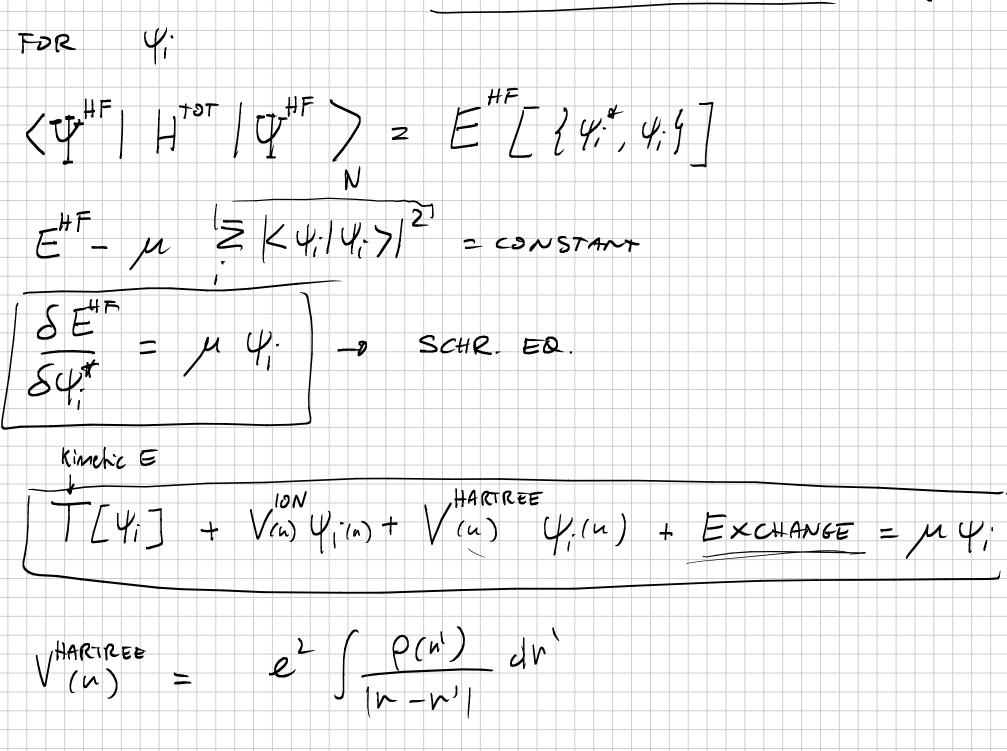
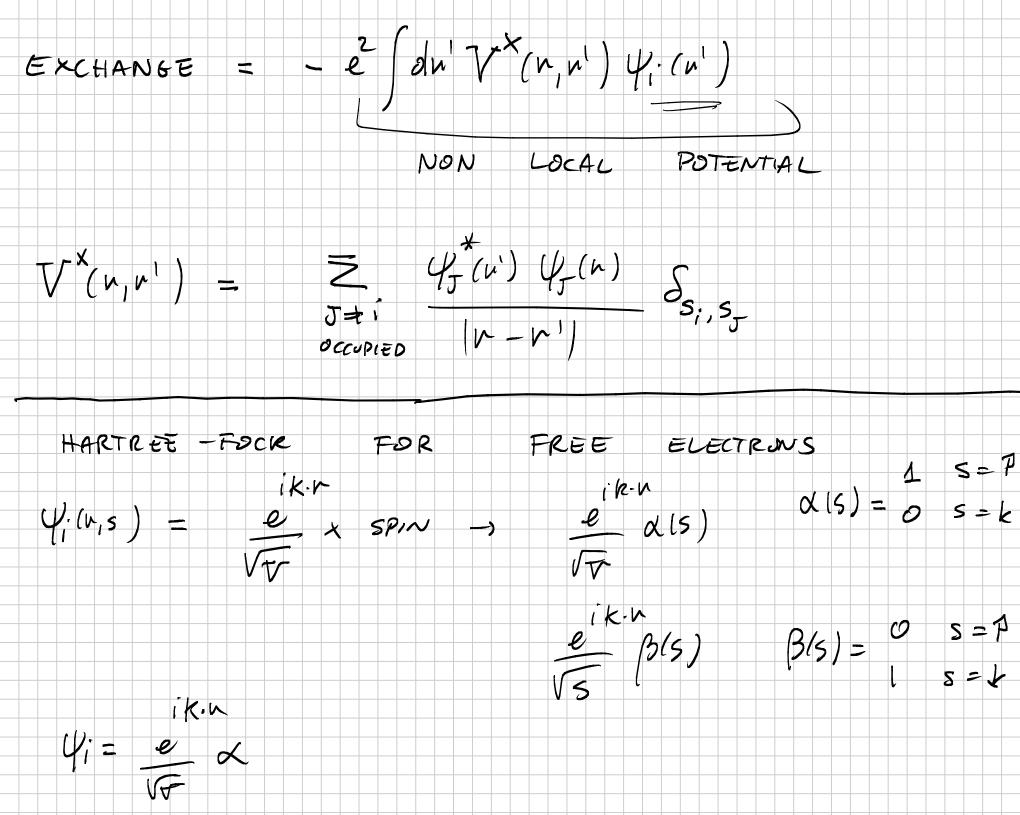
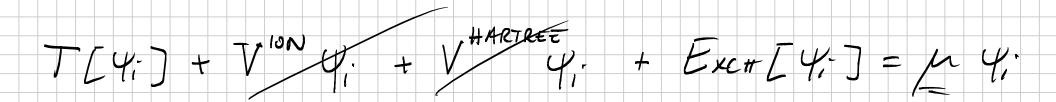
LECTURE #26 Note Title 3/25/2009 LAST 10 MINUTES SURVEY ON Quantum Hall effect Graphene NTERNET **Carbon Nanotubes** Excitons and exciton-polaritons Mesoscopic physics and single electronics Spectroscopy of quantum dots and quantum wires Spintronics in metals/semiconductors Neutron and electron scattering in solids Solid state devices for quantum information processing Magnetic properties of solids Superconductivity **70**T $+ \frac{1}{2} \frac{2}{15} \frac{1}{1} \frac$ HARTREE - FOCK $(r, s, \ldots, r_N s_N)$ ANSATZ FOR $|\psi_1(n_1s_1)\psi_1(n_2s_2)|$ --Y. ARE SINGLE PARTICLE $\Psi_2(h, s_i)$ WAVE FUNCTIONS









HONDGENENS

+ CHARGES

SYSTEM NEVTRAL

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Exctt [4:] VON V HARTREE ιS THE -() \sim

ONLY IMPORTANT CORRECTION

