Lower bounds for eigenvalues of sums of self-adjoint operators

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Upper bounds for lower semibounded self-adjoint operators as electronic Hamiltonians are obtained by variational methods. On the other hand, accurate lower bounds are more difficult to establish. In this talk lower bounds for eigenvalues of sums of lower semibounded self-adjoint operators are introduced. We apply the method to one electron Hamiltonians. Some computations for systems of one electron and several protons are shown.