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Short title: Alternatives to Bazley's special choice for eigenvalue lower bounds.

MR Number: 2386545

Primary classification: 65F15

Secondary classification(s): 81Q05 81V55

Review text:

In many quantum bound-state problems of quantum chemistry an efficient estimate of upper bounds proves feasible via variational techniques. In contrast, finding a reliable lower bound is difficult in general, with the Bazley's recipe of ref. [7] being in frequent use. Two alternate numerical methods are proposed and tested on linear potential and helium atom, with not too encouraging results.