

## Modern Atomic Nuclear Physics Solutions Manual

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1)  $f(v, 1) = -0.000814/6.967 = -0.0001168$  The second approximation, therefore, gives  $a = -2.1039291$ . The third and higher approximations can be made in this fashion. The first approximation will be usually good enough in practice. 1.34  $y(x) = x^2 \exp(-x^2)$  (1) Turning points are determined from the location of maxima and minima.

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