

On the Derivation of the Rotation Operator

Adel F. Antippa
Canadian Journal of Physics
vol. 75, no. 8, pp. 581-589 (1997)

Abstract

We present a basis independent, purely operator, derivation of the expression for the finite-angle rotation operator about a fixed axis. The standard matrix representation of the operator, as well as the standard vectorial expression for the related finite-angle rotation formula, are easily recovered.