PH103 (Physics-I)   **Tutorial-IX (November 8, 2018)**

[Quantum Mechanics]

1. Obtain the S-matrix for an attractive delta function potential $V(x) = -\alpha\delta(x)$.

2. Obtain the M-matrix for an attractive delta function potential $V(x) = -\alpha\delta(x)$.

3. Represent the M-matrix in terms of the S-matrix elements.