



THE TWO-BODY PROBLEM FOR INVERSE SQUARE POTENTIALS IN QUANTUM AND  
CLASSICAL MECHANICS

BY

ADAMBARAGE CHARLES WIMAL LALITH DE ALWIS

B.SC(MATHEMATICS SPECIAL)

DEPARTMENT OF MATHEMATICS, UNIVERSITY OF KELANIYA.

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ABSTRACT

Calculations were done to give a precise discussion about the two particle system in quantum mechanics when inverse square potential mutually interacts among the particles. Calculations were done for the same problem in classical mechanics also to compare with the quantum mechanical results. In the quantum mechanical problem, quasi-classical calculations were carried out in order to find an approximate value for the phase-shift.