Boundary Condtions of Gravity SHANTILAL GORADIA, Retired —
Our quantum mechanical derivation of the strong coupling using modified New-
tonian inverse square logic in (1) and the fine structure constant (ALPHA) using
Boltzmann expression in our book (2) come close to Einstein (1919) merging nuclear
force with gravitation and retracting his cosmological constant. Its conflict with the
inflationary aspect of the universe can be reconciled with the possibility that the
light coming from the receding galaxies follow a curvilinear path increasing in length
due to its ever increasing curvature without receding only in the radial direction.
In (1), we implicitly show gravity as nothing but the cumulative effect of quantum
mechanical forces, making G vary at different locations in the universe. The sub-
sequent effects of gravitational variation would be on the curvature of the paths of
the geodesics they create. Further investigation along these lines is warranted as
we do not have unification, evidence of graviton, quantum gravity or anything else
very concrete after a century of hard work. Strong coupling and ALPHA may be
the boundary conditions of gravitational constants. Newtonian Gravity in Natural
Units, Journal of Physical Science and Application 2 (7) (2012)265-268, [2] Quantum
Consciousness - The Road to Reality by S. Goradia, 4/27/20

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