Abstract Submitted
for the DNP08 Meeting of
The American Physical Society

Astrophysical Data Transmission in Planck Units SHANTILAL
GORADIA, Gravity Research Institute, Inc. — "Data Communication and Net
Working" by Forouzan expresses (an informatics equivalent of statistics) that N
(data rate or bits/second) divided by r (number of data elements per signal or
$\log_2$ L) is the baud rate. For $N = 10^{43}$ Planck times per second, and $L = 10^{90}$, the
number of photons in the universe, the baud rate is more than 10^{40}, so high a signal
rate for the carriers of the attractive and repulsive pulses that we, the observers,
would think that gravity is continuous, and not probabilistic. Any potential slight
correction to the above as it may apply to the case, or its application to smaller
baryon number (10^{79}) would not change the above implicit message, considering
the order of magnitudes involved. This communicative aspect of gravity, and our
postulation, slight modification to the inverse square law, in [1] that the probabil-
ity of an interaction between two particles is inversely proportional to the square
of their separations in integer number of Planck lengths, are mutually supplemen-
tary and complimentary, portraying two ducks that, not only walk like ducks, but
also talk like ducks. Therefore, they are ducks. Refer to: [1] Goradia, Shantilal
http://www.arXiv.org/pdf/physics/0210040v4.

Shantilal Goradia
Gravity Research Institute, Inc.

Date submitted: 24 Jun 2008   Electronic form version 1.4