Errata

No. 1

“A new approximation method to obtain vibration eigen functions suitable for a new oscillator model” by B S Navati and V M Korwar *Pramāṇa* 20 pp 457–466 June 1983

Page 459, relation (11) should read as

$$w_e \alpha_e / 6B_e^2 = \Delta^{1/2} - 1 + 2p$$

Page 459, relation (14) should read as

$$W = (h/64\pi^2 c \times 1.6597 \times 10^{-24}) = 2.1083089 \times 10^{-16}$$

No. 2

“Which is heavier – d or u quark?” by S Chakrabarty *Pramāṇa* 23 August 1984, pp 199–203

On the r.h.s. of eq. (11) 2nd, 3rd, 4th, 5th terms should contain multiplying factors $(4m)^{-1/4}$, $m^{-1/2}$, $(2m)^{-1}$, $(2m)^{-1}$ respectively. In the numerator of eq. (12) 1st, 2nd terms are to be multiplied by $(4/m)^{1/4}$, $(3L^2/2\beta c)m^{-3/2}$ respectively and there should be an extra term $(3/2m^2)L^2(1/c - 1/b)\pi(\alpha'^2, k)$. In the paragraph below eq. (12), the numbers 0.20, 0.66, 3.481 GeV, 0.229 should read 0.12 GeV², 0.24, 3.08 GeV, 0.167 respectively. In eq. (13) $(2/m_1 m_2)\mathbf{r} \times \mathbf{p}_1 \cdot \mathbf{s}_1$ should read $(2/m_1 m_2)\mathbf{r} \times \mathbf{p}_1 \cdot \mathbf{s}_2$. In eq. (14) $(\pi/m^3)\delta^3(r)$ should read $(\pi/m^2)\delta^3(r)$. In eqs. (15) and (16), $(4/3)\alpha_s$ should read $(20/27)\alpha_s$. In the paragraph below eq. (16), 1.78×10^{-2} should read 5.61×10^{-3} .