Laser and Particle Beams (2017), *35*, 751.

doi:10.1017/S0263034617000714

CORRIGENDUM

Propagation characteristics of Hermite-cosh-Gaussian laser beam in a rippled density plasmas—CORRIGENDUM

S. KAUR, M. KAUR, R. KAUR AND T. S. GILL

doi:10.1017/S026303461600080, Published by Cambridge University Press, 4 January 2017.

The version of this manuscript originally published contained a error in Eq. (12b).

$$\left[1+\frac{\xi\alpha_2\, q'\sin(q'\xi)\left[\omega_{p0}^2/\gamma\omega^2\right]}{2\left(1-\left(\omega_{p0}^2/\gamma\omega^2\right)-\left(\omega_{p0}^2/\gamma\omega^2\right)\alpha_2\cos(q'\xi)\right)}\right]\left(\frac{\alpha_2\, q'\sin(q'\xi)\left[\omega_{p0}^2/\gamma\omega^2\right](\partial f/\partial\xi)}{2\left(1-\left(\omega_{p0}^2/\gamma\omega^2\right)-\left(\omega_{p0}^2/\gamma\omega^2\right)\alpha_2\cos(q'\xi)\right)}\right)$$

$$-\frac{\xi\alpha_2\, q'\sin(q'\xi)\left[\omega_{p0}^2/\gamma\omega^2\right]}{2\left(1-\left[\omega_{p0}^2/\gamma\omega^2\right]-\left[\omega_{p0}^2/\gamma\omega^2\right]\alpha_2\cos(q'\xi)\right)}\frac{1}{f}\left(\frac{df}{d\xi}\right)^2-\frac{(4-4b^2)}{f^3}$$

$$-\frac{8\alpha E_0^2}{f^3}\left(\frac{\omega_{p0}^2}{\omega^2}+\frac{\omega_{p0}^2}{\omega^2}\alpha_2\cos(q'\xi)\right)\left(\frac{\omega r_0}{c}\right)^2(2-b^2)e^{b^2/2}=0.$$

should be replaced by:

$$\left[1+\frac{\xi\alpha_2 q'\,sin(q'\xi)\left[\omega_{p0}^2/\gamma\omega^2\right]}{2\left(1-\left[\omega_{p0}^2/\gamma\omega^2\right]-\left[\omega_{p0}^2/\gamma\omega^2\right]\alpha_2 cos(q'\xi)\right)}\right]\frac{d^2f}{d\xi^2}+\left[1+\frac{\xi\alpha_2 q'\,sin(q'\xi)\left[\omega_{p0}^2/\gamma\omega^2\right]}{2\left(1-\left[\omega_{p0}^2/\gamma\omega^2\right]-\left[\omega_{p0}^2/\gamma\omega^2\right]\alpha_2 cos(q'\xi)\right)}\right]$$

$$\left(\frac{\alpha_2 q'\,sin(q'\xi)\left[\omega_{p0}^2/\gamma\omega^2\right](\partial f/\partial\xi)}{2\left(1-\left[\omega_{p0}^2/\gamma\omega^2\right]-\left[\omega_{p0}^2/\gamma\omega^2\right]\alpha_2 cos(q'\xi)\right)}\right)-\left(\frac{\xi\alpha_2 q'\,sin(q'\xi)\left[\omega_{p0}^2/\gamma\omega^2\right]}{2\left(1-\left[\omega_{p0}^2/\gamma\omega^2\right]-\left[\omega_{p0}^2/\gamma\omega^2\right]\alpha_2 cos(q'\xi)\right)}\right)\frac{1}{f}\left(\frac{df}{d\xi}\right)^2$$

$$-\frac{(4-4b^2)}{f^3}-\frac{8\alpha E_0^2}{f^3}\left(\frac{\omega_{p0}^2}{\omega^2}+\frac{\omega_{p0}^2}{\omega^2}\alpha_2\,cos(q'\xi)\right)\left(\frac{\omega r_0}{c}\right)^2(2-b^2)e^{b^2/2}=0$$

REFERENCE

KAUR, S., KAUR, M., KAUR, R. & GILL, T.S. (2017). Propagation characteristics of Hermite-cosh-Gaussian laser beam in a rippled density plasmas. *Laser Part. Beams* **35**, 100–107.