

## High-power single mode solid state laser with short wide unstable cavity: Misprints

D. Kouznetsov (dima@ils.uec.ac.jp), J.-F. Bisson. February 15, 2005

We just found few misprints in the paper by D. Kouznetsov, J.-F. Bisson, K. Takaichi K. Ueda. High-power single mode solid state laser with short wide unstable cavity. JOSA B, v.22, Issue 8, p.1605-1619 (2005). We correct them below.

Page 1610, left column. Instead of

$$\partial n_2 / \partial t = -W_u n_1 + W_d n_2 \quad , \quad (23)$$

$$\partial n_1 / \partial t = W_u n_1 + W_d n_2 \quad , \quad (24)$$

there should be

$$\partial n_1 / \partial t = -W_u n_1 + W_d n_2 \quad , \quad (23)$$

$$\partial n_2 / \partial t = W_u n_1 + W_d n_2 \quad , \quad (24)$$

Page 1611, right column; 1612, left column. Instead of

$$\tilde{G}(\lambda) = \frac{1}{b} \left( d + \frac{bc - ad}{\sqrt{a^2 - b^2}} \right) \quad ,$$

$$\text{where } \begin{cases} a = 1 + p + s_1 + s_2 \\ b = 2\sigma_1 \sqrt{s_1 s_2} \\ c = \sigma_2 p - \sigma_a + \sigma_1 s \\ d = \sigma_1 s \\ \sigma_1 = \frac{\sigma_{as}\sigma_e - \sigma_{es}\sigma_a}{\sigma_{as} + \sigma_{es}} \\ \sigma_2 = \frac{\sigma_{ap}\sigma_e - \sigma_{ep}\sigma_a}{\sigma_{ap} + \sigma_{ep}} \end{cases} \quad (43)$$

there should be

$$\tilde{G}(\lambda) = \frac{N}{b} \left( d + \frac{bc - ad}{\sqrt{a^2 - b^2}} \right) \quad , \quad (43)$$

$$\text{where } \begin{cases} a = 1 + p + s_1 + s_2 \\ b = 2\sqrt{s_1 s_2} \\ c = \sigma_2 p - \sigma_a + \sigma_1 s \\ d = \sigma_1 s \\ \sigma_1 = \frac{\sigma_{as}\sigma_e - \sigma_{es}\sigma_a}{\sigma_{as} + \sigma_{es}} \\ \sigma_2 = \frac{\sigma_{ap}\sigma_e - \sigma_{ep}\sigma_a}{\sigma_{ap} + \sigma_{ep}} \end{cases}$$