

Construction of the operator for a symmetric model

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Corrigendum

Construction of the \mathcal{C} operator for a \mathcal{PT} symmetric model

Roychoudhury R and Roy P 2007 *J. Phys. A: Math. Theor.* **40** F617–620

Equation (9) should read as

$$\sum_{n=0}^{\infty} n! \frac{(2\alpha_R + 1)_n}{(\alpha + 1)_n (\beta + 1)_n} (2n + 2\alpha_R + 1) P_n^{(\alpha, \alpha^*)}(\sin x) P_n^{(\alpha, \alpha^*)}(\sin y) t^n = \frac{(2\alpha_R + 1)(1 - t)}{(1 + t)^{2\alpha_R + 2}} F_4(a, b, c, d, U, V)$$

Equation (13) should read as

$$\mathcal{C}(x, y) = \mathcal{N} \frac{[(1 + \sin x)(1 + \sin y)]^{(\alpha^*/2 + 1/4)}}{[(1 - \sin x)(1 - \sin y)]^{(\alpha^*/2 + 3/4)}} {}_2F_1(a, 1 - c + a, d, z), \quad z = \frac{(1 + \sin x)(1 + \sin y)}{(1 - \sin x)(1 - \sin y)}.$$