Quantum Inozemtsev model, quasi-exact solvability and $\mathcal{N}$-fold supersymmetry

2001 J. Phys. A: Math. Gen. 34 10335

(http://iopscience.iop.org/0305-4470/34/47/502)

INSTITUTE OF PHYSICS PUBLISHING JOURNAL OF PHYSICS A: MATHEMATICAL AND GENERAL

J. Phys. A: Math. Gen. **34** (2001) 10335 www.iop.org/Journals/ja PII: S0305-4470(01)30284-6

Corrigendum

Quantum Inozemtsev model, quasi-exact solvability and $\mathcal{N}$-fold supersymmetry
R Sasaki and K Takasaki 2001 *J. Phys. A: Math. Gen.* **34** 9533–9553

Three equations should be corrected in this paper.

On page 9539, a factor 2 should be put in front of g_S on the left-hand side of equation (3.19) which should read as

$$(k+1)(2k+1+2g_S)\alpha_{k+1} = (2kb - E)\alpha_k + 2a(k - \mathcal{M} - 1)\alpha_{k-1}. \tag{3.19}$$

On page 9542, equation (4.15) should similarly read as

$$(k+1)(2k+1-b+2g_S)\alpha_{k+1} = (2k(k-2a+g_S) - E)\,\alpha_k + 4a(k - \mathcal{M} - 1)\alpha_{k-1}. \tag{4.15}$$

On page 9542, the unnumbered equation at the end of section 4 should read as

$$\alpha_{\mathcal{M}+1} = 0 \Leftrightarrow (2\mathcal{M}(\mathcal{M} - 2a + g_S) - E)\,\alpha_{\mathcal{M}} - 4a\alpha_{\mathcal{M}-1} = 0 \quad \Leftrightarrow \quad \det(\widetilde{H} - E) = 0.$$

0305-4470/01/4710335+01$30.00