

## Erratum

# Potential usage of the magnetron-motion-free mode of one ion confined in a combined trap

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Unfortunately, Eq. (9) on page 237 is wrong:

$$\begin{aligned}
 a'_r = & \frac{q_z^2}{a'_z - 8(1+g) - \frac{q_z^2}{a_z - 8 \times 2(2+g) - \frac{q_z^2}{a_z - 8 \times 3(3+g)} \dots}} \\
 & + \frac{q_z^2}{a'_z - 8(1-g) - \frac{q_z^2}{a_z - 8 \times 2(2-g) - \frac{q_z^2}{a_z - 8 \times 3(3-g)} \dots}}. \quad (9)
 \end{aligned}$$

It should be corrected to read:

$$\begin{aligned}
 a_z = & \frac{q_z^2}{a_z + 8(1+g) - \frac{q_z^2}{a_z + 8 \times 2(2+g) - \frac{q_z^2}{a_z + 8 \times 3(3+g)} \dots}} \\
 & + \frac{q_z^2}{a_z + 8(1-g) - \frac{q_z^2}{a_z + 8 \times 2(2-g) - \frac{q_z^2}{a_z + 8 \times 3(3-g)} \dots}}. \quad (9)
 \end{aligned}$$

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