The whole dispersion relation:

$$B_0^4C^2k_x^4k_z^4 + 2B_0^4C^2k_x^2k_z^6 + B_0^4C^2k_z^8 - 2B_0^2C\Omega^2k_x^2k_z^4q - 2B_0^2C\Omega^2k_z^6q - \frac{B_0^2C\Omega k_x^4k_z^4q}{Rm} + 2\frac{B_0^2C\Omega k_x^2k_z^6q}{Rm} + 2\frac{B_0^2C\Omega k_x^3k_z^5q}{Rm} - 2\frac{B_0^2C\Omega k_x^3k_z^5q}{Rm} - 2\frac{B_0^2C\Omega k_x^3k_z^5q}{Rm} - 2\frac{B_0^2C\Omega k_x^3k_z^6q}{Rm} + 2\frac{B_0^2C\Omega k_x^2k_z^6q}{Rm} + 2\frac{B_0^2C\Omega k_x^2k_z^6q}{Rm} - 2\frac{B_0^2C\Omega k_x^3k_z^5q}{Rm} - 2\frac{B_0^2C\Omega k_x^3k_z^6q}{Rm} + 2\frac{B_0^2C\Omega k_x^3k_z^6q}{Rm} + 2\frac{B_0^2C\Omega k_x^3k_z^6q}{Rm} - 2\frac{B_0^2C\kappa_x^3k_z^6q}{Rm} -$$

Dispersion relation minus a4: are there any 0-order s terms? $B_0^4C^2k_x^4k_z^4 + 2B_0^4C^2k_x^2k_z^6 + B_0^4C^2k_z^8 + 2B_0^4Ck_x^4k_z^2s^2 - 2B_0^2Ck_x^2k_z^4\omega^2q + 4B_0^2Ck_x^2k_z^4s^2 - 2B_0^2Ck_x^4k_z^4\omega^2q + 2B_0^2Ck_x^2k_z^4s^2 - 2B_0^2Ck_x^4k_z^4\omega^2q + 2B_0^2Ck_x^4k_z^4s^2 - 2B_0^2Ck_x^4k_z^4\omega^2q + 2B_0^2Ck_x^4k_z^4s^2 - 2B_0^2Ck_x^4k_z^4\omega^2q + 2B_0^2Ck_x^4k_z^4s^2 - 2B_0^2Ck_x^2k_z^4\omega^2q + 2B_0^2Ck_x^2k_z^4\omega^2q - 2B_0^2Ck_x^2k_z^2\omega^2q - 2B_0^2Ck_$