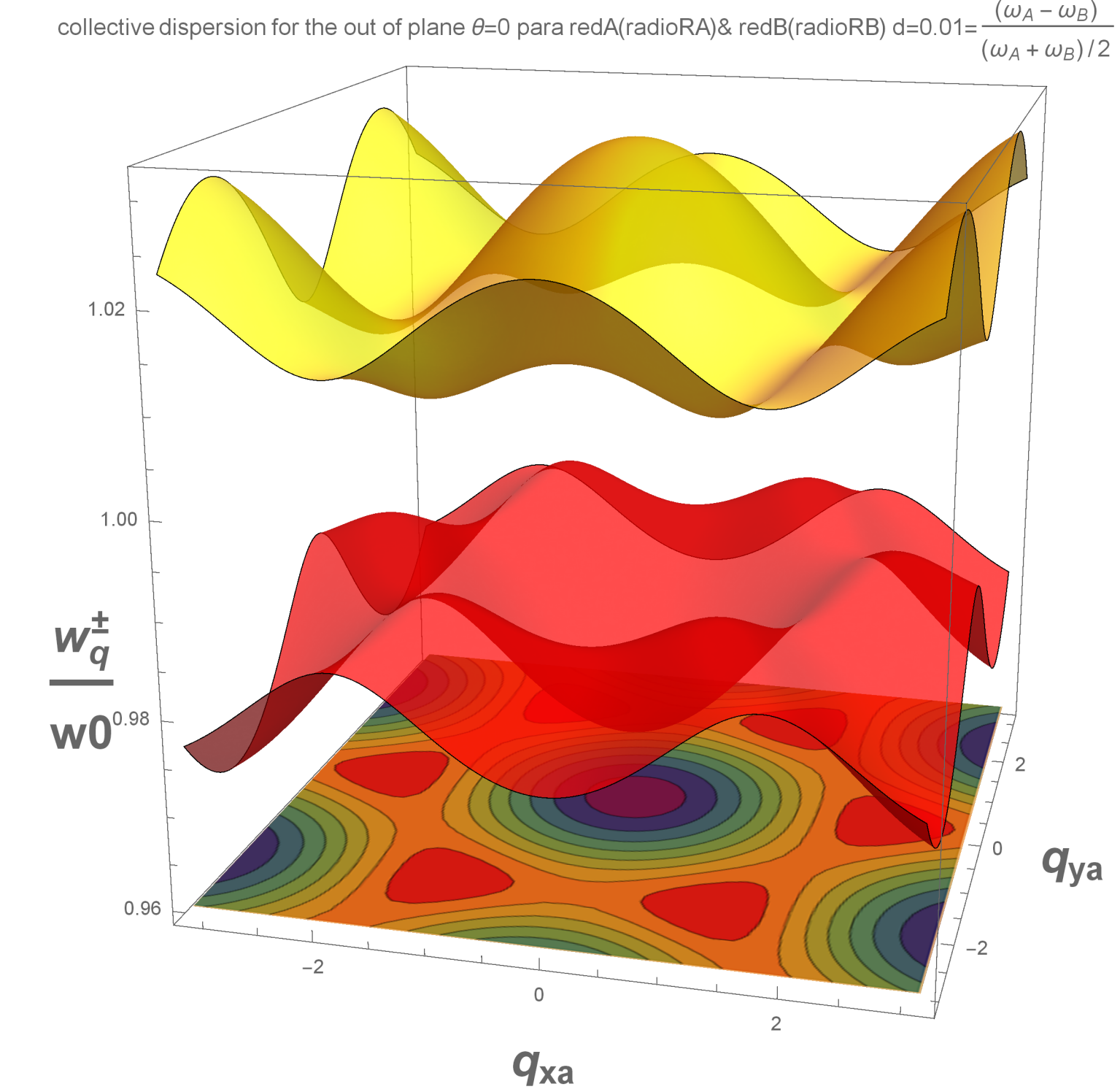
collective dispersion for the out of plane θ=0 para redA(radioRA)& redB(radioRB) d=0.01= $\frac{(\omega_A - \omega_B)}{(\omega_A + \omega_B)/2}$
1.02
1.00
0.98
0.96
$\frac{w_q^{\pm}}{w0}$
−2
0
2
q_{xa}
2
0
−2
q_{ya}