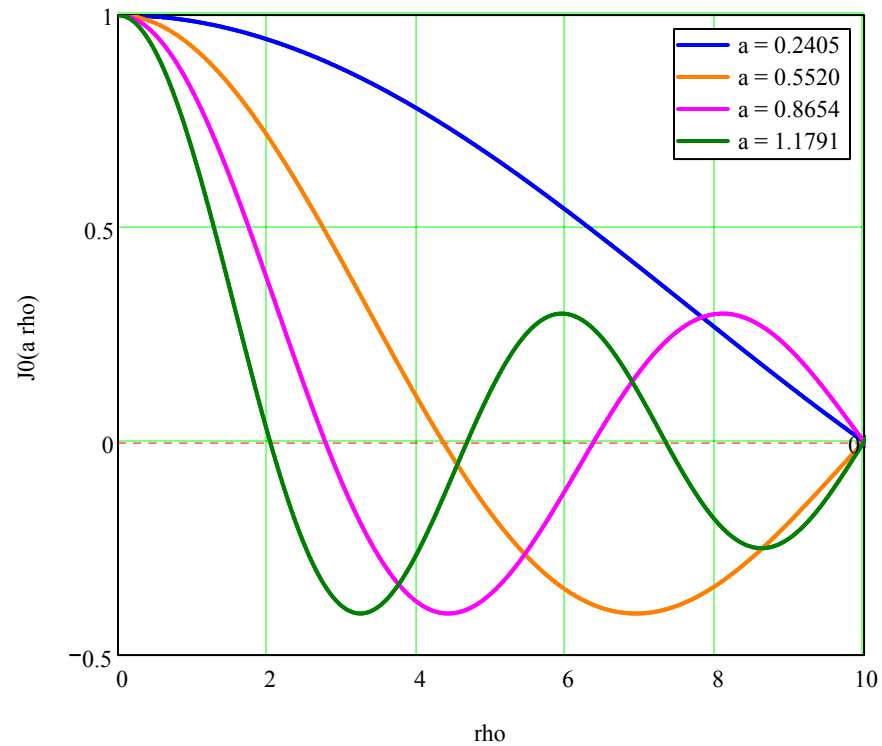


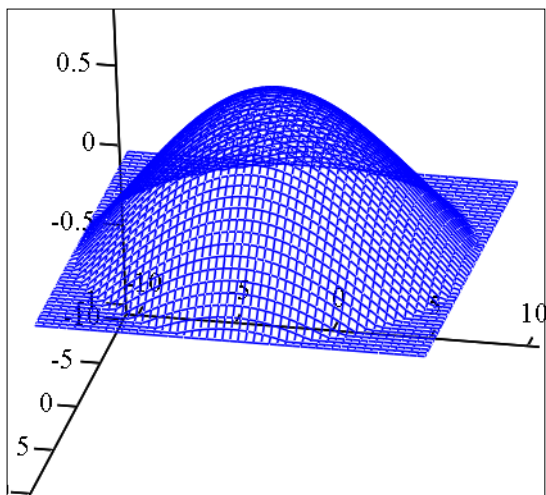
Satisfying b.c.'s with Bessel Functions

J_0 's that satisfy the b.c. $J_0(a\rho_0) = 0$
 ($\rho_0 = 10$ and a is adjusted to satisfy the b.c.)



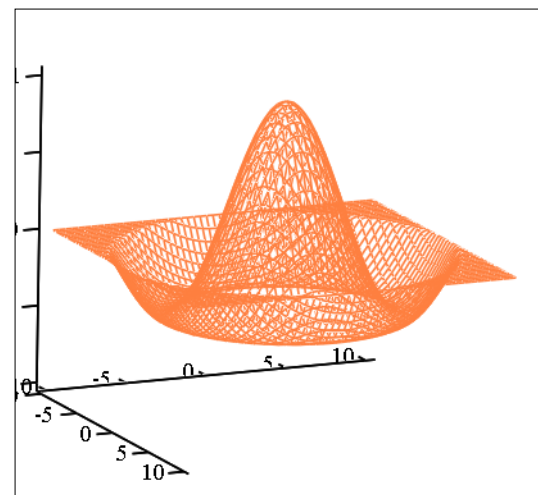
A 3D look at the Drumhead, J_0 modes

$$a \cdot r_0 = 2.405$$



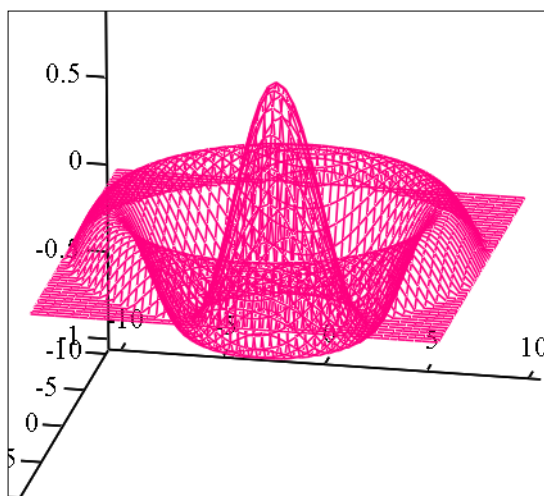
z1

$$a \cdot r_0 = 5.520$$



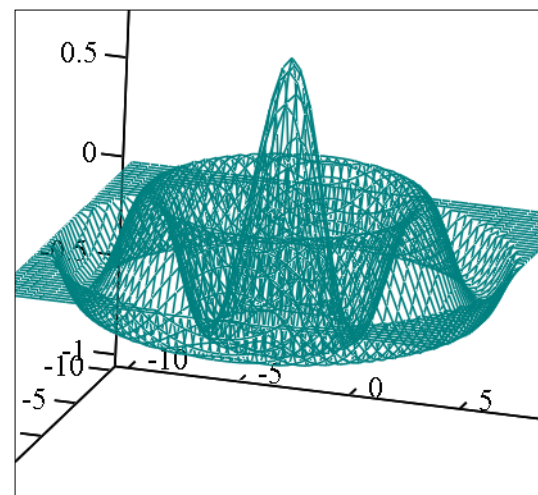
z2

$$a \cdot r_0 = 8.654$$



z3

$$a \cdot r_0 = 11.791$$

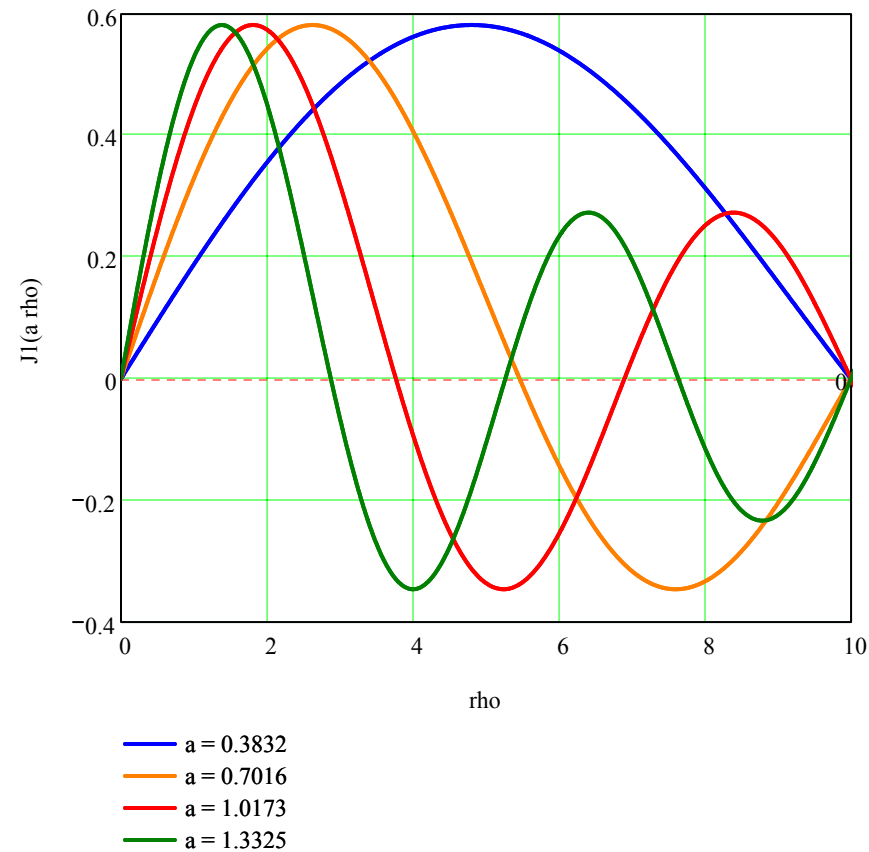


z4

Satisfying b.c.'s with Bessel Functions

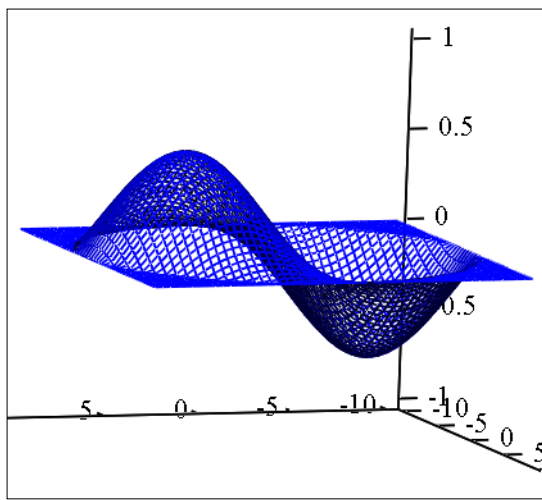
J_1 's that satisfy the b.c. $J_1(a\rho_0) = 0$

($\rho_0 = 10$ and a is adjusted to satisfy the b.c.)



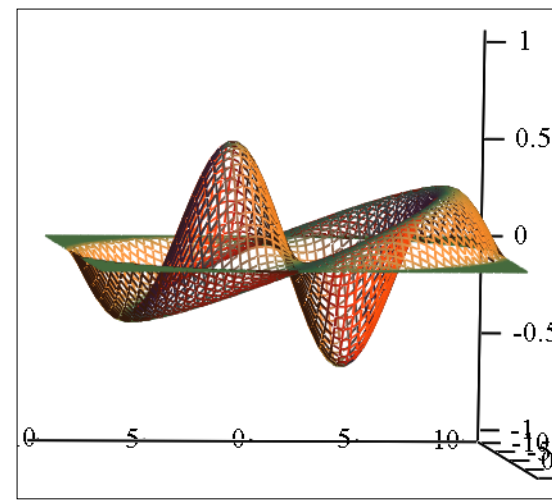
A 3D look at the Drumhead, J_1 modes

$$a \cdot r_0 = 3.832$$



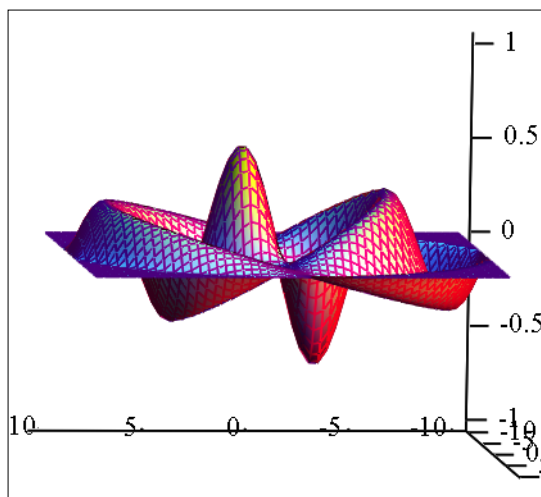
z1

$$a \cdot r_0 = 7.016$$



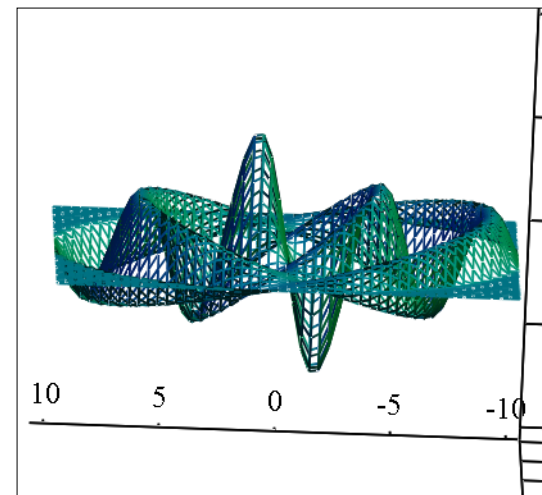
z2

$$a \cdot r_0 = 10.1753$$



z3

$$a \cdot r_0 = 13.325$$



z4