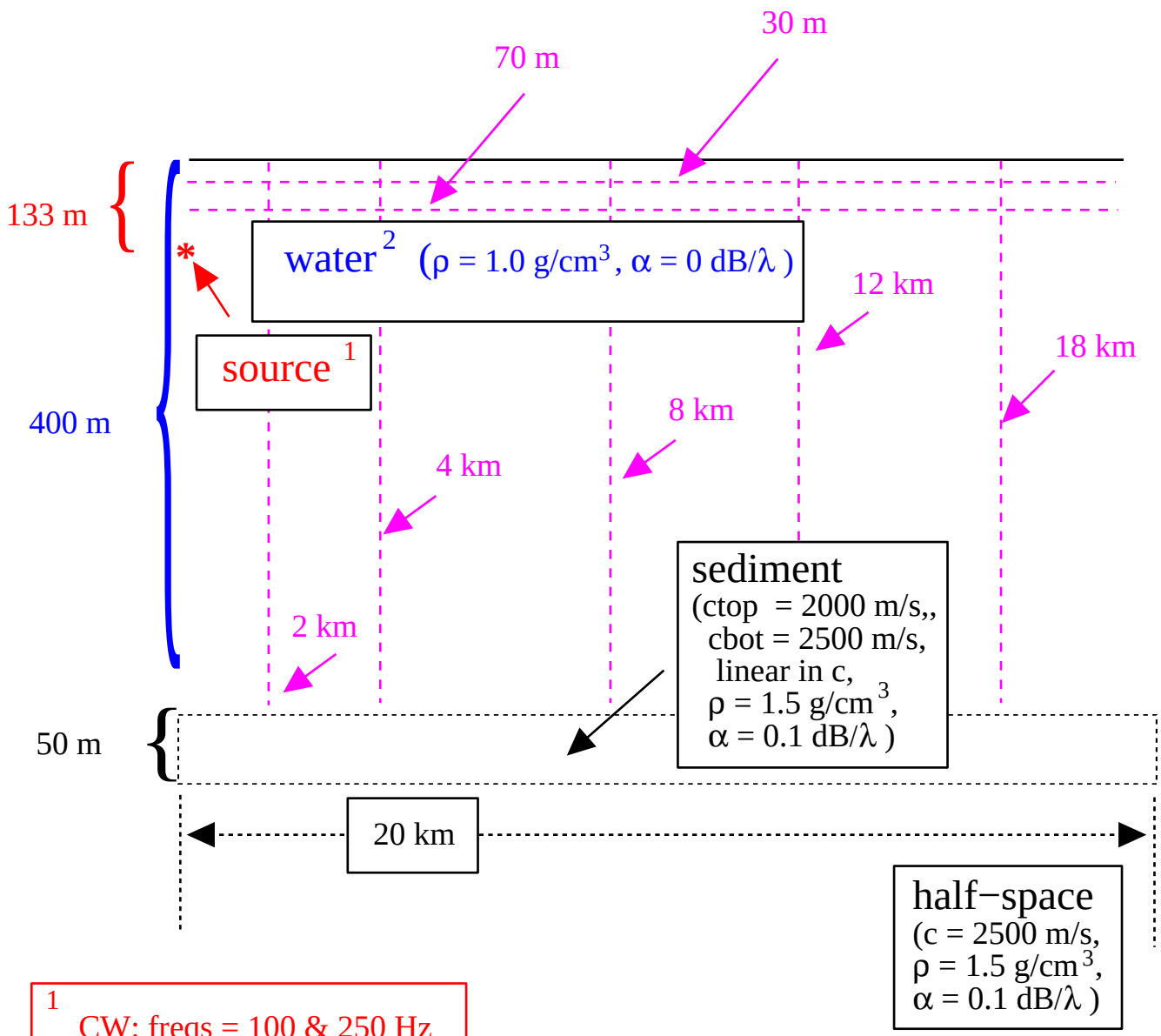
II. shelf−break test case
c) flat bottom with sound−speed profiles in water
CW



1 CW: freqs = 100 & 250 Hz

2
$c(r,z) = 1450 + 4.6T(r,z) - 0.055T^2(r,z) + 0.016z,$
$T(r,z) = 5+T_0(r)\,[\sinh\{\pi(400-z)/200\}/265]^2$
$T_0(r) = 15 - 2.5[1 + \tanh(r-10)],$
z in m, r in km.

NOTE: TL vs. r for fixed z = 30 & 70 m
TL vs. z for fixed r = 2, 4, 8, 12, & 18 km