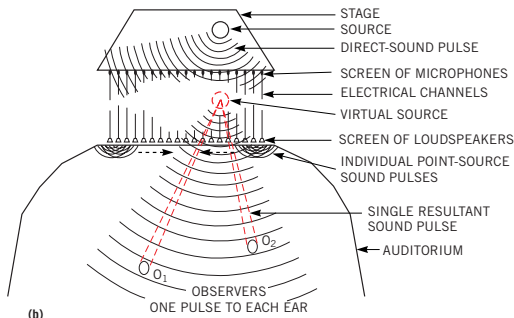
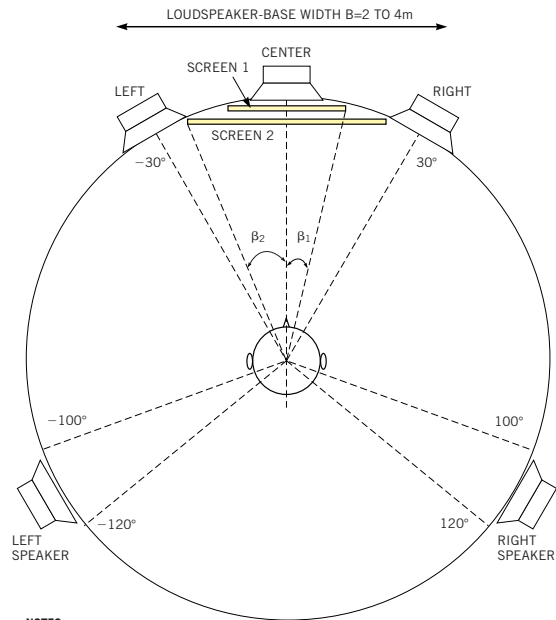


(a)

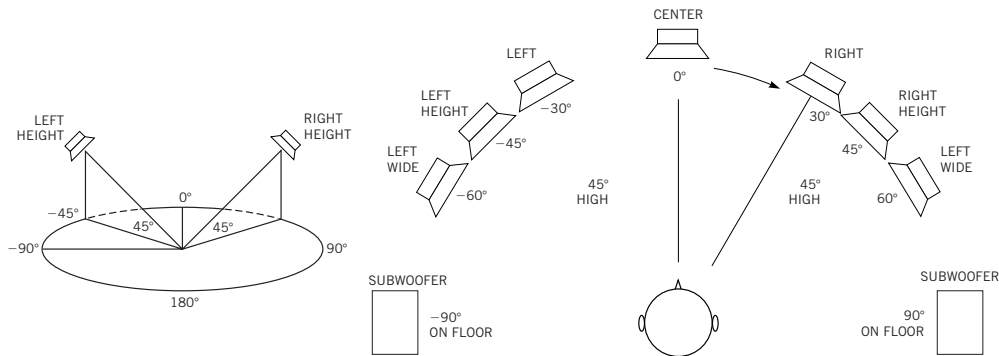


(b)

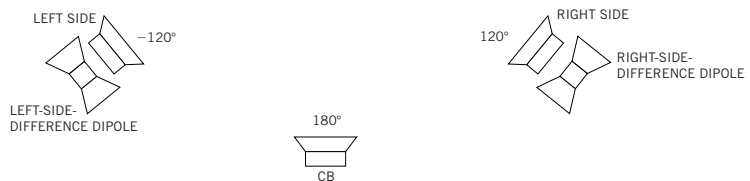
**NOTES:**

1. SCREEN 1'S LISTENING DISTANCE IS $3H$ ($2\beta_1=33^\circ$), WHERE H IS HEIGHT. THIS DISTANCE IS POSSIBLY MORE SUITABLE FOR A TV SCREEN.
2. SCREEN 2'S LISTENING DISTANCE IS $2H$ ($2\beta_2=48^\circ$), WHERE H IS HEIGHT. THIS DISTANCE IS MORE SUITABLE FOR A PROJECTION SCREEN.
3. SUBWOOFER IS NOT SHOWN; ITS LOCATION IS OPTIONAL.

(c)



(d)

**Figure 1**

Bell Labs research in the 1930s suggested that you need at least three speakers (a, courtesy Focal Press) to credibly reproduce a sound source (b, courtesy Focal Press). The 5.1-speaker configuration is common in today's home-theater settings (c, courtesy Focal Press), whereas Tomlinson Holman's 10.2-speaker proposal suggests one possible future arrangement (d, courtesy Tomlinson Holman Labs).