



FIG. 4.13. Directivity patterns for an un baffled rigid circular piston of radius a located in free space at an angle θ a large distance r from the point of measurement A . For $ka < 1$, the directivity pattern is the same as that for the doublet. The boxes give the directivity index at $\theta = 0^\circ$. One angle of zero directivity index is also indicated by the arrow.