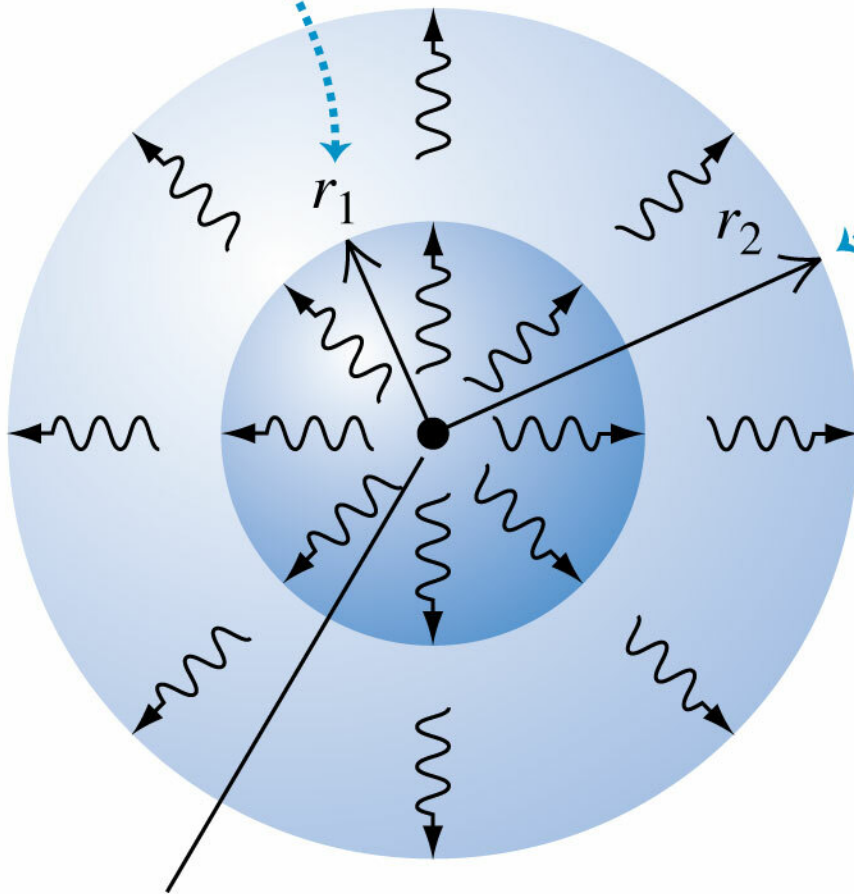


At distance r_1
from the source,
the intensity is I_1 .

At a greater distance
 $r_2 > r_1$, the intensity
 I_2 is less than I_1 : The
same power is spread
over a greater area.



Source of waves