

Bat-Centric Model

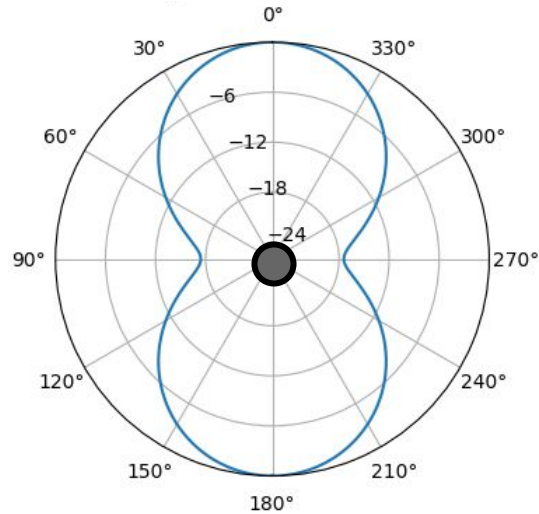


Bat:

- 60kHz
- $a = 3\text{mm}$
- SPL 110dB




Microphone

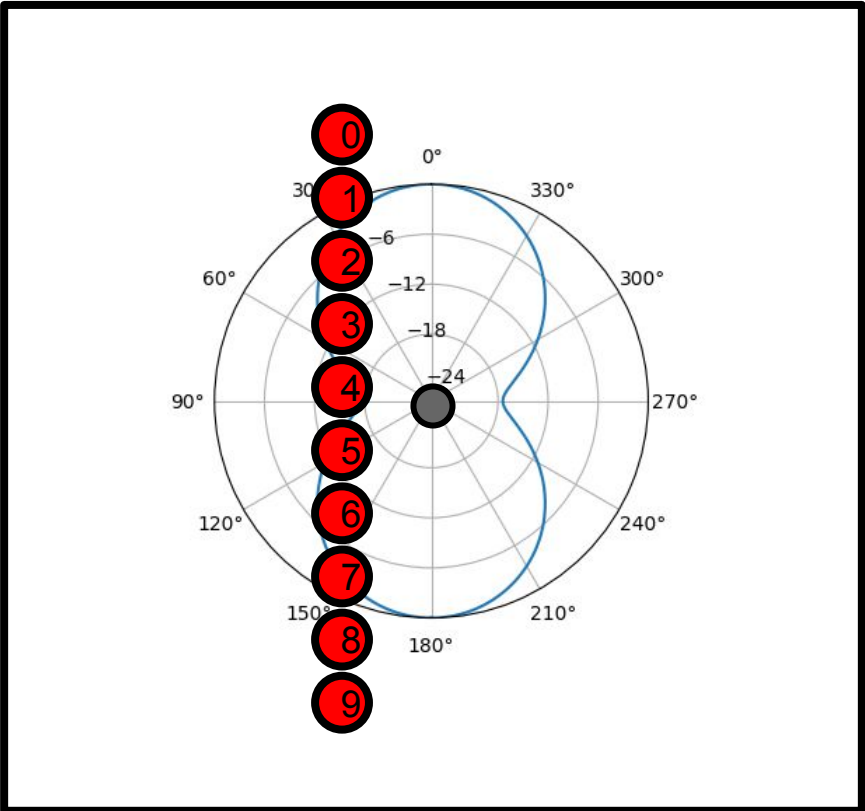


If we filled the entire black box with microphones, we would get the acoustic field around the bat

Bat-Centric Model

-  Bat:
- 60kHz
 - $a = 3\text{mm}$
 - SPL 110dB

 Microphone
position at $t = 0$



If we only take the microphones shown, we get what the microphones would hear with time as a bat moves like below



Microphone-Centric Model

- Bat:
- 60kHz
 - $a = 3\text{mm}$
 - SPL 110dB

● Microphone

Need:

- Bearing of microphone to bat at all positions of flight path

