

Example

How fast would you need to move toward a sound source to make its apparent frequency increase by 50%?

$$\frac{f_L}{f_S} = \frac{v + v_L}{v + v_S} = 1.5$$

$v_S = 0$, so

$$\frac{v + v_L}{v} = 1.5$$

$$\frac{v_L}{v} = 1.5 - 1$$

$$v_L = 0.5v = 1.72 \text{ m/s}$$

Problems In Optics And Acoustics

DJ Losen



Problems In Optics And Acoustics:

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In a world defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their power to kindle emotions, provoke contemplation, and ignite transformative change is really awe-inspiring. Enter the realm of "**Problems In Optics And Acoustics**," a mesmerizing literary masterpiece penned by a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve in to the book is central themes, examine its distinctive writing style, and assess its profound effect on the souls of its readers.

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