

Stationary waves in a closed pipe

Questions

1. What is a closed pipe?
2. What is formed always at the closed end of the pipe?
3. What is formed always at the open end of the pipe?
4. Is the pressure node same as displacement node in the pipe?
5. Are both odd and even harmonics formed in a closed pipe?
6. What happens to the wavelength with increases mode of vibration?
7. What happens to the velocity with increasing mode of vibration?

Note :

Questions given above may be visualized and solved using the simulations. However, obtaining a mathematical solution is to be always treated as the final answer and obtaining such a mathematical solution implies a deeper understanding and application of the concept.

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