Group Number:

Group Members:

1.

2.

3.

4.

Tube Diameter(m):

Lcorr(m) = 0.3D =

**Data Tables:**

**Table 1:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Frequency (Hz) | L1(m) | L2(m) | L1(m) + Lcorr(m) | L2(m) + Lcorr(m) |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| λ1 (m) | λ2 (m) | v1 | v2 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Table 2**

|  |  |  |  |
| --- | --- | --- | --- |
| Frequency(Hz) | vexp(m/s) | vtheory | % Discrepancy |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

1. Why do the number of resonances increase with increasing frequency.