

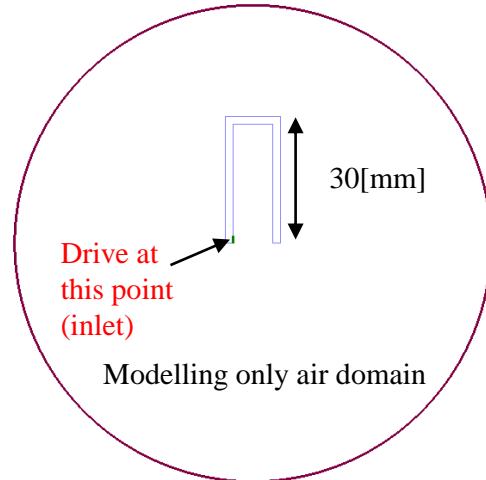
# Question 10

**Q:** Can Femtet analyze tubes resonating with each other in the acoustic analysis ?

**A:** Yes, Femtet can do it. Please refer to the next slides for the analysis model.

## Analysis Setting

- 2D analysis
- Create meshes only in the air domain
- Set a sound source at the inlet of the tube.



## Analysis Result

- Radiation impedance (Frequency response)
- Contour diagram (Sound pressure)
- At specific frequencies, the radiation impedance is lower, indicating the presence of resonant phenomena.

Radiation Impedance [Ns/m]

