

PHYSICS

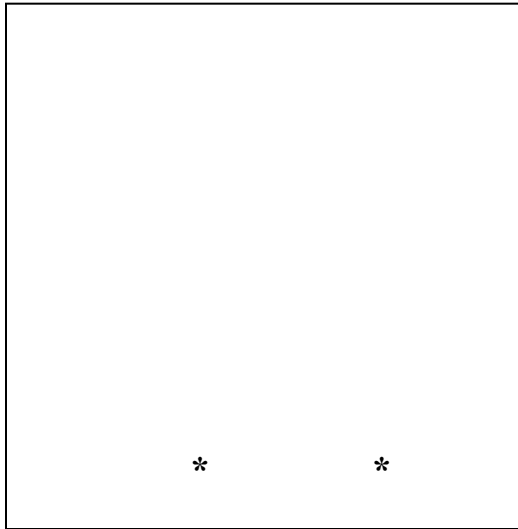
LAB: NODAL LINE NUMBER AND SPACING  
AS A FUNCTION OF FREQUENCY AND LAB  
SOURCE SEPARATION

NAME \_\_\_\_\_  
DATE \_\_\_\_\_ PERIOD \_\_\_\_\_  
PARTNERS \_\_\_\_\_  
\_\_\_\_\_

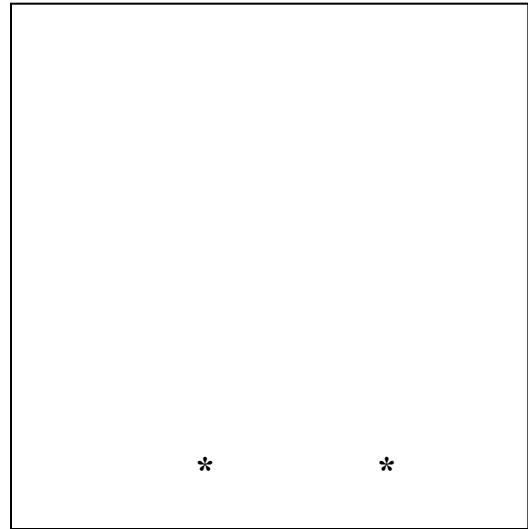
PURPOSE: 1) To observe nodal line formation 2) To determine the effect of frequency and source separation on nodal line number and spacing.

DATA: (When observing and drawing nodal lines, be sure to note that they originate BETWEEN the sources.)

SEPARATION CONSTANT; FREQUENCY VARIES

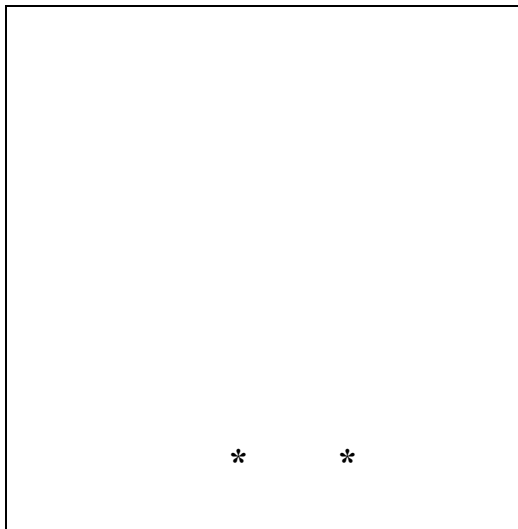


HIGH FREQUENCY

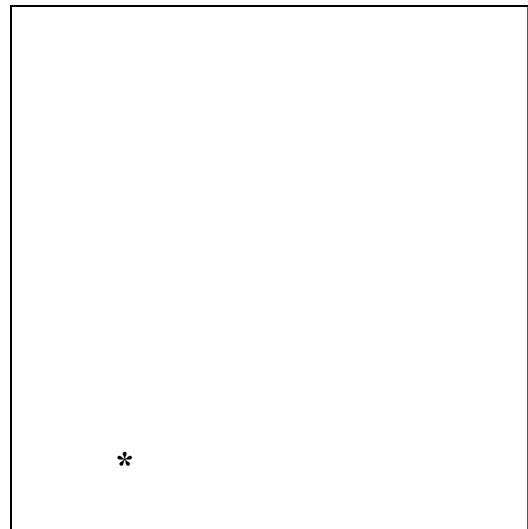


LOW FREQUENCY

FREQUENCY CONSTANT; SEPARATION VARIES



SOURCES CLOSE TOGETHER



SOURCES FAR APART

CONCLUSION: