Reference
C 261.63 Hz (Middle C)

C Major Scale FOR TESTING

AP Kit Part Details


https://store.arduino.cc/usa/arduino-nano (PWM pins for LED output)


Read frequency of input in digital pins

https://www.electronics-tutorials.ws/filter/second-order-filters.html (second-order filter formula)

https://www.youtube.com/watch?v=QJOnkSU20pY (method to calculate SNR)