**Question bank Modern physics Lab**

 How do you measure the wavelength of a microwave?

What is the wavelength of a microwave’s waves?

What does Stefan Boltzmann’s constant depend on?

How does Stefan's law depend on temperature?

Which of the following is the Stefan-Boltzmann constant?

A)σ=**5.6704×10−8 W/m2·K**. B) σ=**6.5704×10−5 W/m2·K**. c) σ=**6.78704×10−5 W/m2·K**.

What is Boltzmann constant in radiation?

What does Stefan-Boltzmann's law explain?

Which describes Stefan-Boltzmann formula?

How is Stefan-Boltzmann constant derived?

How do you find the specific charge of an electron?

How did Thomson Measure e m?

What is e m ratio?

What is Thomson method?

How do you measure em?

What is electron diffraction experiment?

Who did the electron diffraction experiment?

What is single slit diffraction?

Is diffraction due to the uncertainty principle?

Is diffraction due to the uncertainty principle?

What is single slit and double-slit diffraction?

What is the limitations of Heisenberg uncertainty principle?

R is Rydberg constan , **where B is the Balmer's constant**

A) **R = 3/B  B) R = 4/B  C) R = 5/B**

What is the Balmer Rydberg equation?

What is the value of R in Balmer series?

1. R = **1.08 × 10^7m^-1 B)** R = **1.07 × 10^8m^-1 C)** R = **1.87 × 10^78m^-1**

What is the spectrum of helium?

What is theory of atomic spectra?

Why do he and H produce different line spectra?

What is the Zeeman effect explain?

What causes the Zeeman effect?

What is classical theory of Zeeman effect?

How do you measure microwave microwave attenuation?

What is attenuator in microwave?

What is diffraction in electromagnetic radiation?

What is transmission coefficient in microwave?

What is microwave absorption?

What can microwaves penetrate?

What is band gap value of GE?

A)0.67ev B)0.76ev C)7.6ev D) 6.7 ev

Is GE direct bandgap?

What is N in the Hall effect?

Why is copper used in Xray Diffraction?

Which material is used in Hall effect?

Which material is used in Hall effect?

What are the characteristic properties of X-rays?

What is the wavelength for copper?