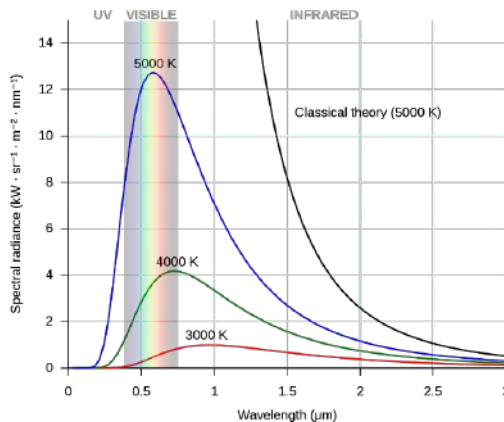




Physics College Experience Summer Mini-Program *Introduction to Quantum Physics and Research Opportunities*

- ★ Open to rising juniors and seniors who received an A or B in AP Calculus BC and AP Physics
- ★ Pilot program. Free of charge!
- ★ Tentative dates and time: weekdays 1pm - 4pm, June 27 - July 8, 2022 (no classes on July 4)

In a series of lectures on Quantum Physics taught by Oakland University Professor Evgeniy Khain, we will discuss revolutionary ideas in Physics that were developed in the beginning of the 20th century. We will focus on the Nobel Prize-winning research of five scientists, including the work of Einstein, Rutherford, and Bohr. How do objects absorb and emit light, and what are the mysteries of the structure of the atom? In addition to answering these intriguing questions, OU physics faculty will present their scientific research and discuss possible research opportunities for high school students in the coming academic year.



Spectrum of thermal radiation:
“ultraviolet catastrophe”

Why should I come?

- I love physics and math and am curious about scientific research.
- I am considering taking a class at Oakland University in the next school year.
- I am considering doing research in the next school year and would like to see what scientists are working on.

Sound interesting? Follow this link
or scan the QR code to fill out a brief form
and we will contact you soon!
<https://forms.gle/Q4wigh4o4PyC4GrGA>



For questions, please contact:
Evgeniy Khain, khain@oakland.edu
Jyothi Raman, raman2@oakland.edu