

Wednesday, January 28

Last Time:

- Hydrogen spectra & Bohr's model
- deBroglie: matter as a wave

Today:

- Uncertainty
- Wave equations: start classical

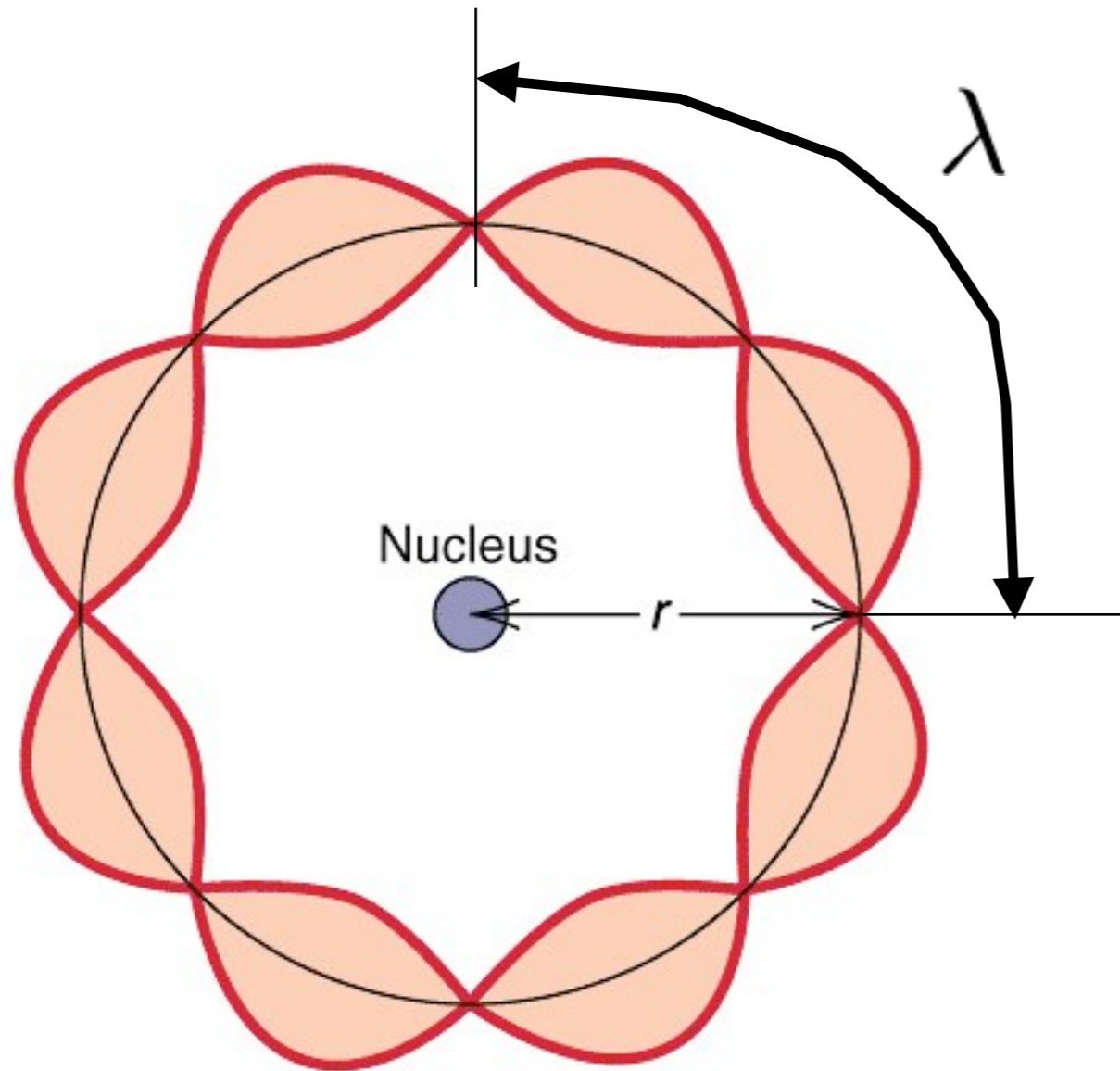
Readings:

- Levine 17.1–17.6

Handouts:

Reminders: Office Hours, Th 2–4,
Homework #2 for Friday

The electron as a wave: deBroglie & Bohr meet



$$\lambda = \frac{h}{mv}$$

Leads to Bohr's assumption

$$l = mvr = n\hbar$$