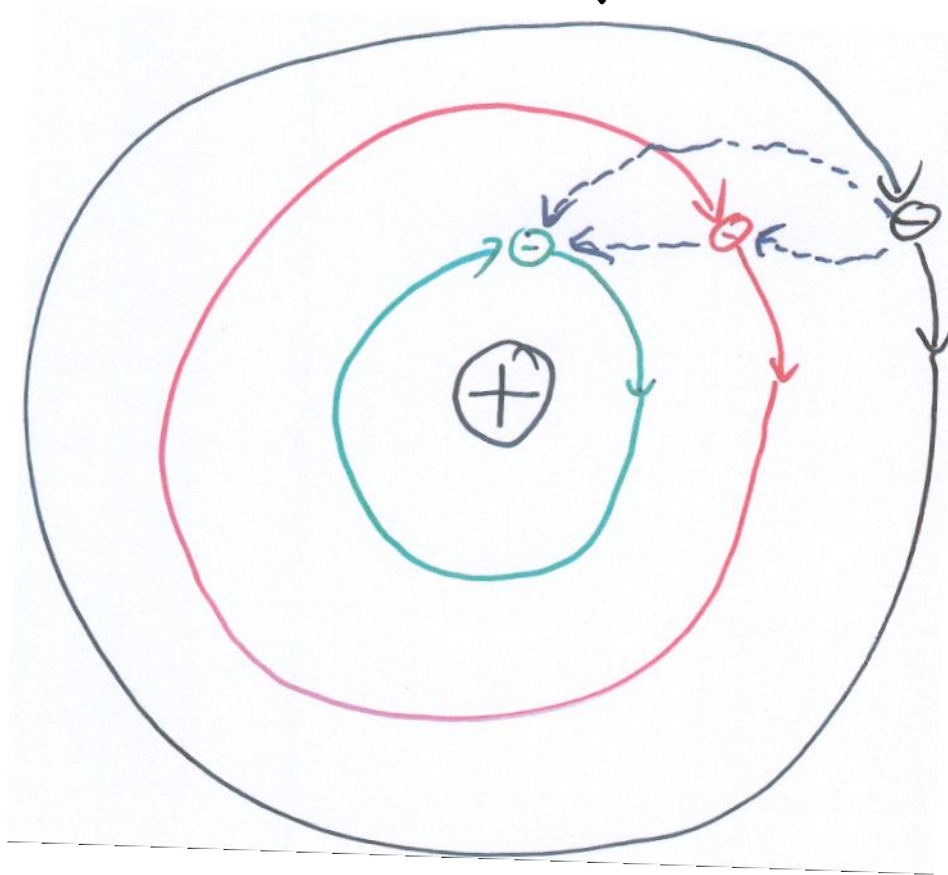


Model \neq World

Bohr-Sommerfeld Atom Model



centripetal
acceleration
↓ Bohr's
postulate
electromagnet
waves
↓
slow down
↓

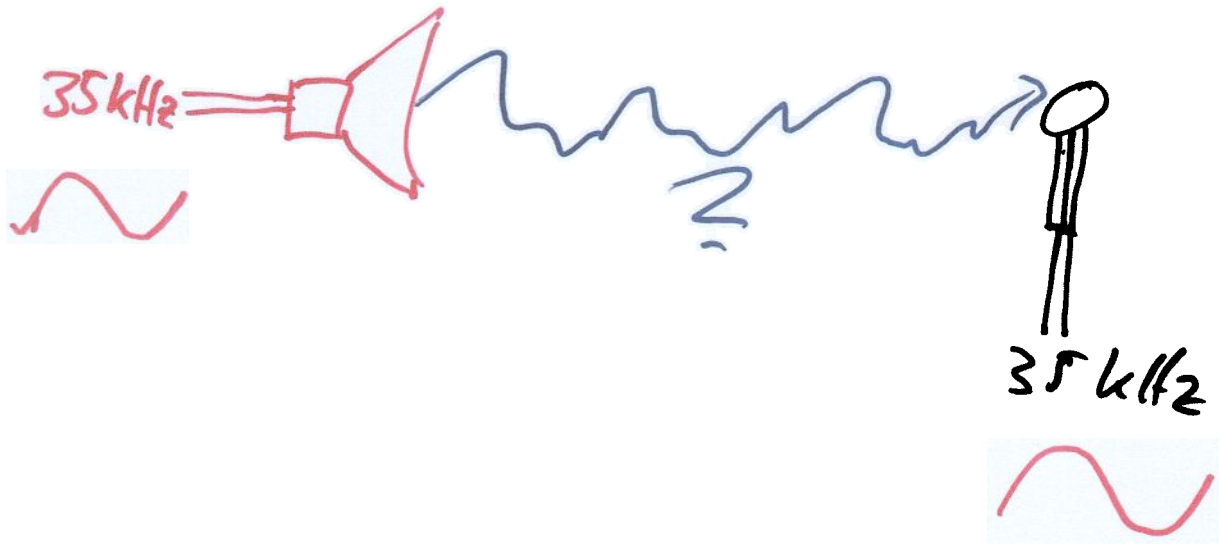
$$\lambda^{-1} = R_{\infty} \left| n^{-2} - m^{-2} \right|$$

Rydberg's constant

orbits

Perception!

Subject
+
Sensors



CETERIS PARIBUS

Hypothesis: Spiders hear with their legs.

Experiment: Train a spider to run away on a beep.

Cut off legs.

Beep!

- CONSISTENCY & APPROVAL ARE "SOFT"

HOPE

- INCONSISTENCY & REPUTATION ARE "HARD"

Karl POPPER (1933)
KNOW

- CONSISTENCY OF THEORIES UNPROVABLE

- META- & OBJECT-LEVEL

- Gödel's 2nd Incompleteness Theorem