

# The challenge

When I hear solid-state physics I think... of ~~all~~ my solid state physics 1 professor who looked like the "Zaubermeister" in Harry Potter.

# My research

When I hear solid-state physics I think... of ~~all~~ my solid state physics 1 professor who looked like the "Zaubermeister" in Harry Potter.



# Which of the following is true

When I hear solid-state physics I think... of ~~all~~ my solid state physics 1 professor who looked like the "Zauberminister" in Harry Potter.

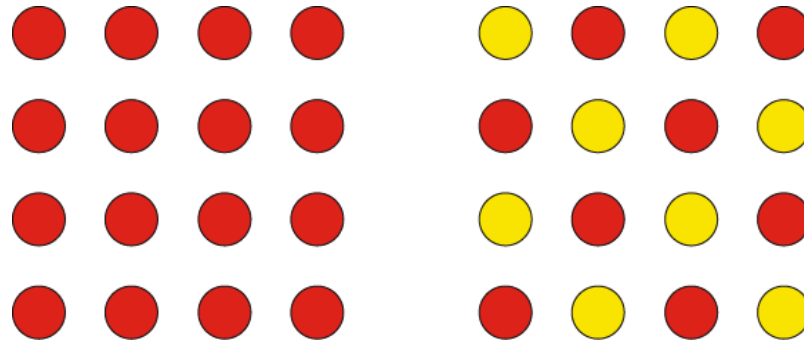


- The student took the course in a different university
- Why are you so surprised? He teaches ExPhysI and QM as well
- There is a second actor playing the minister of magic and he looks exactly like...
- Some combination of the above



# Square lattice with two atoms

- Compare the symmetry of the mono- & diatomic square lattice



- a. Translation periodicity remains constant, point symmetry decreases (= less symmetry operations)
- b. TP: increases (= increase in length of lattice vector), PS: decreases
- c. TP: decreases, PS: increases
- d. TP: increases, PS: constant