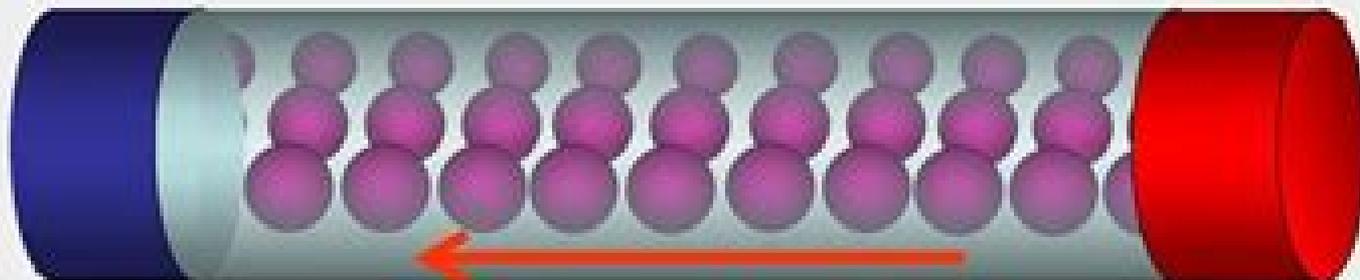


# Lesson 9: Thermal Physics

## Thermal concepts

### *Conduction, convection and thermal radiation*

- When two solids of different temperatures touch, thermal energy is transferred from the hotter object to the cooler object through a process called **conduction**.
- When atoms of one portion of a material are in contact with vibrating atoms of another portion, the vibration is transferred from atom to atom.



**Direction of heat flow**

- High  $T$  portions vibrate more than low  $T$  portions, so we can imagine the vibration “impulse” to travel through the material, from high  $T$  to low  $T$ .

# Thermal Physics

**Chao Zhang**



## **Thermal Physics:**

## Reviewing **Thermal Physics**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is actually astonishing. Within the pages of "**Thermal Physics**," an enthralling opus penned by a highly acclaimed wordsmith, readers attempt an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve in to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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